

Trieste Seminar Programme 2005 (42)

JANUARY 2005

Fernando Soncini, Univ. of Rosario, IBR-CONICET, ARGENTINA, Metal dependent regulation in Salmonella

Luca Quaroni, Elettra Sincrotrone, Trieste, ITALY

Vibrational Spectromicroscopy at Elettra: Applications in the Life Science

FEBRUARY 2005

Giannino Del Sal, University of Trieste, ITALY

Regulation of p53 and p73 functions by the prolyl-isomerase Pin1: keep Pin' the family in good shape

Per Venge, University of Uppsala, SWEDEN

Eosinophilia, who cares?

Annalisa Pastore, MRC, London, UK

What structural biology can tell us about misfolding diseases

Vincenzo Bronte, University of Padua, ITALY

L-arginine metabolism in myeloid cells controls T lymphocyte responsiveness to the antigen

MARCH 2005

Gernot Achatz, University of Salzburg, AUSTRIA

The IgE antigen receptor - a key regulator of the IgE response in vivo

Alberto Bardelli, University of Torino, ITALY

Dissecting oncogenic signaling pathways by mutational profiling of gene families in cancer genomes

Susan Gasser, FMI, Novartis Research Foundation, Basel, SWITZERLAND, Chromatin dynamics and silencing

Fulvio Mavilio, MolMed SpA, Milan, ITALY

Genetic modification of hematopoietic stem cells: from bench to bedside... and back

Philip Hieter, UBC Michael Smith Labs, Vancouver, CANADA, Yeast as a model for chromosome instability in eukaryotes

APRIL 2005

Simone Ferrari, University of Padova, ITALY

Off the beaten pathway: pathogen-associated molecular patterns in plant innate immunity

Michael Breitenbach, University of Salzburg, AUSTRIA, Mitochondrial Functions in Yeast Aging and Apoptosis

Xiaojiang Chen, Univ. Southern California, Los Angeles, USA, Hexameric helicases and replication licensing: two heads are better than one

Carl Zeiss SpA, Divisione Microscopia

Seminario di Microscopia Confocale e Tecniche Correlate

Irena Mlinaric-Rascan, University of Ljubjana, SLOVENIA, In search of a serine protease involved in the apoptotic internucleosomal DNA cleavage

Corrado Santocanale, Nerviano Medical Sciences, ITALY, Initiation of DNA replication: a potential target for drug discovery in oncology

Seppo Ylä Herttuala, University of Kuopio, FINLAND, Therapeutic angiogenesis: basic aspects and clinical applications

MAY 2005

Andres Aguilera, University of Seville, SPAIN

Transcription-Associated Recombination: A Connection with mRNP Biogenesis and DNA Replication

Eduardo J. Patriarca, IIGB, CNR Naples, ITALY

Rhizobium metabolism during the development of N-fixing root nodules

Lila Castellanos-Serra, Center for Genetic Engineering and Biotechnology, Havana, CUBA

1. Novel Methods for Proteome Analysis

2. Doing science in a developing country: the case of Cuban Biotechnology

Leonard Fass, GE Healthcare, Europe

Functional and Molecular Imaging: from Pre-Clinical to Clinical

Albert-Laszlo Barabasi, University of Notre Dame, IN, USA, Network Biology: From protein interactions to antibiotics

Dennis McCance, Univ. of Rochester, NY, USA

Retinoblastoma protein is required for keratinocyte differentiation

Jean-Paul Borg, Marseille INSERM, FRANCE

New signaling pathways associated to the tumor suppressor Scribble

JUNE 2005

Michael Neuberger, MRC, Cambridge, ISRAEL

DNA deamination as a trigger in innate and adaptive immunity

Kenneth R. Chien, Univ. of California San Diego, CA, USA

Towards Gene and cell based therapy for cardiac diseases

Steve C. West, London Res. Inst., Clare Hall Labs, UK, Making Ends Meet: Double Strand Break Repair in Human Cells

JULY 2005

Gennaro D'Urso, University of Miami, FL, USA

DNA replication checkpoints in fission yeast

Michael Linden, Mount Sinai School of Medicine, NY, USA, Targeted gene addition by adeno-associated virus (AAV) based vectors

SEPTEMBER 2005

Georg Weitzer, Vienna Biocenter (VBC), AUSTRIA

Promotion of invitrocardiomyogenesis by parietal endoderm secreted growth factors

Bruce Chassy, University of Illinois, USA

Food Safety and GMOs

Aleksandra Trifunovic, Karolinska Ins Stockholm, SWEDEN

Mitochondrial theory of aging: Dead or Alive?

Constanze Breithaupt, Max-Planck, Martinsied, GERMANY

Structural insights into autoantibody binding to Myelin Oligodendrocyte Glycoprotein

OCTOBER 2005

Giovanni Di Pasquale, NIH, NIDCR, Bethesda, USA

The Adeno-Associated Virus (AAV) Gene Transfer Vector System: Biology and Applications

Federico Bussolino, IRCC, Torino, ITALY

Extracellular Tat interacts with gp120 on cell surface and facilitates HIV-1 infection

Fabienne Beuron, Imperial College London, UK

Conformational changes in a p97-adaptor complex: implications for its chaperone activities

Guillaume Dighiero, Inst. Pasteur, Montevideo, URUGUAY, Recent Progress on CLL Biology

NOVEMBER 2005

Olli Carpén, University of Turku, FINLAND

Myotilin and palladin, regulators of actin cytoskeleton

Silvo Conticello, MRC, Cambridge, UK

Immunity through DNA deamination

DECEMBER 2005

Christopher Pearson, The Hospital for Sick Children, Toronto, CANADA

Peter Carmeliet, University of Leuven, BELGIUM

Félix A. Rey, Institut Pasteur, Paris, FRANCE

Structural insights into the mechanism of membrane fusion catalyzed by viral envelope proteins

Trieste Seminar Programme 2006 (63)

JANUARY 2006

Tommaso Villa, University of California, San Francisco, CA, USA Quality control of RNA processing: identification of a novel splicing fidelity factor

Mike Myers, Cold Spring Harbor Laboratories, NY, USA High throughput analysis of protein interactions: Identification of a novel polyUbiquitin binding domain

Fabian Feiguin, University of Turin, Turin, ITALY Molecular mechanisms of neurodegeneration in Alzheimer's disease

Gordano Liberi, FIRC Institute of Molecular Oncology, Milan, ITALY Sgs1 and Srs2 DNA repair helicases as regulators of genome integrity in eukaryotic cells

FEBRUARY 2006

Edouard Bertrand, Institut de Génétique Moléculaire, Montpellier, FRANCE Transport of single mRNPs in living cells

Gaetano Finocchiaro, Besta National Institute of Neurology, Milan, ITALY Stem cells and glioblastoma multiforme

Michael Jantsch, Max F. Perutz Labs, University of Vienna, Vienna, AUSTRIA RNA editing by adenosine deamination: novel targets, novel functions

John Doorbar, National Institute for Medical Research, London, UK Regulation of Productive Papillomavirus Infection

Ed Louis, University of Nottingham, Queens Medical Centre, Nottingham, UK Telomeres and Genome Stability in Yeast

Paola Scaffidi, National Cancer Institute, NIH, Bethesda MD, USA Nuclear architecture: building bulwarks against aging

MARCH 2006

Meng-Er Huang, CNRS Institut Curie, Orsay, FRANCE A biological network in *Saccharomyces cerevisiae* prevents oxidative stress-induced genome instability - from point mutations to gross genome rearrangements

Davide Gabellini, University of Massachusetts Medical School, MA, USA FSHD: a paradigm for the role of non-coding DNA and alternative splicing in human disease

Ramesh Pillai, Friedrich Miescher Institute for Biomedical Research, Basel, SWITZERLAND MicroRNA-mediated translational inhibition and accumulation of the repressed mRNA in cytoplasmic P-bodies

Carlo Petosa, EMBL Grenoble Outstation, Grenoble, FRANCE Structural basis of lytic cycle activation in Epstein-Barr virus

Peter J. Schwartz, Policlinico S. Matteo IRCCS, Pavia, ITALY From molecular biology to clinical management. The case of the long QT syndrome

Alessandro Quattrone, University of Florence, Florence, ITALY A systems biology perspective on translation: from neural plasticity to colorectal cancer progression

Fabio Mammano, Venetian Institute of Molecular Medicine (VIMM), Padova, ITALY Connexins and deafness

Hannes Klump, Hannover Medical School, Department of Hematology and Oncology, Hannover, GERMANY Converting Embryonic Stem Cells into Blood - HOXB4 mediated Stem Cell Tuning

Sally Roberts, University of Birmingham, Birmingham, UK Modulation of keratinocyte structure and function by papillomavirus proteins

Isabelle Richard, Génomique CNRS, Evry, FRANCE

APRIL 2006

Yaqoub Ashhab, Palestine Polytechnic University, Hebron, PALESTINE Recent gene duplication; mining EST database for new functional genes

Paul Freemont, Faculty of Natural Sciences, Imperial College London, UK Developing quantitative approaches to understand the spatial organisation of

the interphase nucleus- PML nuclear bodies and CBP

Francesca Pasinelli, Fondazione Telethon, Milan, ITALY Biomedical research charities and the role of Telethon in Italy

Ingrid Hoffmann, German Cancer Research Center (DKFZ), Heidelberg, GERMANY Centrosomes and the cell cycle

Elia Stupka, Telethon Institute of Genetics and Medicine TIGEM, Naples, ITALY How much (or little!) do we understand about genomes?

Claudio Tuniz, Abdus Salam International Centre for Theoretical Physics, Trieste, ITALY Dating human cells

Carlin S. Long, University of Colorado Health Sciences Center, Chief, Cardiology Section, Denver Health Medical Center, Denver, CO, USA Investigating cytokine modulation of myocardial remodeling with a cell culture model

Tomas Lindahl, London Research Institute, Cancer Research UK Clare Hall Laboratories, London, UK Repair of DNA damage generated by anticancer drugs

MAY 2006

Mathias Gautel, Schools of Medicine and Biomedical Sciences, Cardiovascular Division, London, UK Titin as a giant signalling scaffold: implications for human disease

Massimiliano Pagani Ospedale San Raffaele, Milan, ITALY "Yomics" Ab libraries for functional proteomics

Christian Mandl, Medical University of Vienna, AUSTRIA Molecular studies on the Flavivirus Tick-borne Encephalitis Virus

Andrea Nistri, International School for Advanced Studies ISAS/SISSA, Trieste, ITALY Trigeminal ganglion neurons are an in vitro model to study molecular mechanisms of pain transduction

Christopher Baum, Medizinische Hochschule MHH, Hannover, GERMANY Retroviral transgenesis and oncogenesis

Fulvio Parmigiani, University of Trieste, and Sincrotrone, Trieste, ITALY Science with Free Electron Lasers

Timothy Mather, Oklahoma Medical Research Foundation, Oklahoma, USA The structure of unliganded thrombin: A cautionary tale

JUNE 2006

Sinisa Volarevic, University of Rijeka, School of Medicine, Rijeka, CROATIA The response of mammalian cells to a defect in ribosome biogenesis

XI ICGBE Annual Symposium

John A. Chiorini, NIDCR, Bethesda, MD, USA Biology of the Adeno-Associated Virus and its gene therapy applications

Vincenzo Costanzo, London Research Institute, Clare Hall Laboratories, England, UK Maintenance of genome stability: Multiple roles for ATM, ATR and the Mre11 complex

JULY 2006

Adrian Thrasher, Institute of Child Health, London, UK Successful Gene Therapy for Inherited Immunodeficiency

Irmtraud Meyer, UBC, Vancouver, CANADA Predicting functional secondary-structures in pre-mRNAs and mRNAs

Michael Breitenbach, University of Salzburg, AUSTRIA Role of the mitochondrial proteins YGR076Cp and Mmi1p in yeast aging and apoptosis [Abstract]

Pier Lorenzo Puri, Dulbecco Telethon Institute (DTI), Fondazione A. Cesalpino, Rome, ITALY A DNA damage-induced transcription checkpoint to protect the genomic integrity in differentiation-committed cells

SEPTEMBER 2006

Masa Cemazar, University of Queensland, Brisbane, AUSTRALIA Bioengineering novel cyclic peptides for treatment of multiple sclerosis

Angus Lamond, University of Dundee, Wellcome Trust Biocentre, Dundee, UK Time-lapse proteomics: a new approach for studying protein dynamics

Marco E. Bianchi, DIBIT, San Raffaele Scientific Institute, Milan, ITALY The nuclear functions of HMGB proteins

Caterina Missero, Telethon Institute of Genetics and Medicine, Naples, ITALY Regulation of gene transcription in stratified epithelia

Giulio Innamorati, DIBIT, San Raffaele Scientific Institute, Milan, ITALY Signal integration mediated by G protein coupled receptors: the examples associated to Nephrogenic Diabetes Insipidus and Ocular Albinism

Galina Selivanova, Karolinska Institute, Stockholm, SWEDEN Fighting cancer: small molecules reactivating the p53 tumor suppressor

OCTOBER 2006

Stefano Piccolo, University of Padua, ITALY TGF-beta and vascular diseases

Clotilde Thery, INSERM, Institut Curie, Paris, FRANCE Exosomes and lactadherin: new tools to fight cancer?

Claudio Scazzocchio (Host: C. Bruschi) Institut de Génétique et Microbiologie IGM, University of Paris-Sud, Orsay Campus, Paris, FRANCE Nitrate assimilation in the ascomycetes: gene clustering, transcription factors and chromatin rearrangements [Abstract]

Francesco Blasi (Host: F. Baralle) Molecular Genetics Unit - DIBIT, Università Vita-Salute San Raffaele, Milan, ITALY Prep1: a homeodomain transcription factor and oncosuppressor essential for early development

Francesca Demarchi (Host: M. Giacca) Laboratorio Nazionale del Consorzio Interuniversitario per le Biotecnologie LNCIB, Trieste, ITALY Autophagy: self-eating to survive

Zsolt Toth, Institute of Clinical and Molecular Virology, Erlangen, GERMANY RNA-binding of HCMV pUL69 and its role in mRNA export

NOVEMBER 2006

Silvia Priori, IRCCS Fondazione Salvatore Maugeri, Pavia, ITALY Stress related arrhythmias: genetic predisposition and basic mechanisms

Roland Kanaar, Erasmus MC-Daniel den Hoed Cancer Center, Rotterdam, THE NETHERLANDS Dynamic organization of DNA damage repair machines and chromosomes

Ian Hickson, Weatherall Institute of Molecular Medicine, University of Oxford, UK Genomic instability and cancer: lessons from analysis of Bloom's syndrome

Maria Rescigno, FIRC Institute of Molecular Oncology Foundation, IFOM-IEO Campus, Milan, ITALY Dendritic cell-epithelial cell interactions in bacterial handling at mucosal surfaces

Giovanni Boniolo, University of Padua and IFOM, Milan, ITALY Is philosophy a good companion to molecular biology?

Jennifer Fordham, Kings College London, London, UK What is the function of the cardiac muscle cell membrane skeleton?

DECEMBER 2006

Aldo Ferrari, Swiss Federal Institute of Technology (ETH), Zurich, SWITZERLAND Mechanisms of epithelial cell migration and cystogenesis

Tayfun Ozcelik, Bilkent University, Ankara, TURKEY X-chromosome inactivation and female predisposition to autoimmunity

Giuseppe Legname, UCSF, San Francisco, CA, USA Prion Biology and Disease

Trieste Seminar Programme 2007 (6)

JANUARY 2007

Gaetano Finocchiaro, Besta National Institute of Neurology, Milan, ITALY

Therapeutic targeting of glioblastoma cells with cancer stem-like properties

Penny Jeggo, Genome Damage and Stability Centre, University of Sussex, Brighton, UK

DNA non-homologous end joining: the process and clinical impact

Ugo Faraguna, The Center for Sleep and Consciousness, University of Wisconsin, Madison, USA

Sleep and Plasticity

Alfredo Fusco, Naples Oncogenomic Center NOGEC, CEINGE, Biotechnologie Avanzate, Naples, ITALY

UbcH10 and CBX7 in thyroid carcinogenesis

Cecilia Gelfi, Institute of Bioimaging and Molecular Physiology, Italian National Research Council CNR, Milan, ITALY

The muscle proteome for biomarker discovery

FEBRUARY 2007

Luca Vangelista, Department of Biology and Genetics, University of Milan, Milan, ITALY

IgE in tumor surveillance, an undercover part-time job?

Mark Pook, Brunel University West London, School of Health Sciences and Social Care, London, UK

Development of a GAA repeat expansion mutation-based mouse model of Friedreich ataxia

Danilo Porro, Department of Biotechnology and Biosciences, University of Milan "Bicocca", Milan, ITALY

Industrial Biotechnology and the development of a sustainable economy:

examples and perspectives at Milano Bicocca

Ana Pombo, MRC Clinical Sciences Centre, Faculty of Medicine, Imperial College London, UK

Functional organisation of chromosomes in the cell nucleus

Elisa Messina, University of Rome "La Sapienza", Rome, ITALY

Cardiac Stem Cells and Cardiospheres

MARCH 2007

Enrico Tongiorgi, BRAIN Centre for Neuroscience, University of Trieste, Trieste, ITALY

BDNF mRNA splice variants trafficking in neurons: functions and mechanisms

Albert Jordan, Center for Genomic Regulation CRG, Barcelona Biomedical Research Park, Barcelona, SPAIN

Signaling to chromatin in the regulation of progesterone-responsive promoters

Fabrizio Tagliavini, National Institute of Neurology "Carlo Besta", Milan, ITALY

Therapeutic approach to prion diseases

Hisao Masai, Department of Molecular and Developmental Biology, Institute of Medical Science, University of Tokyo, Tokyo, JAPAN

Regulation of various chromosome transactions by Cdc7 kinase, a critical coordinator for the replication fork

APRIL 2007

Simona Perga, Neurobiology Unit, Bioindustry Park del Canavese, Torino, ITALY

Membrane cholesterol composition and neuronal survival during aging

Antonello Mallamaci, Laboratory of Cerebral Cortex Development, Neurobiology Sector, ISAS/ SISSA, Trieste, ITALY

Molecular mechanisms controlling early cerebral cortex development

Anil Chauhan, CBR Institute for Biomedical Research, Harvard Medical School, Boston, MA, USA

The Metalloprotease ADAMTS13-Link between thrombosis and inflammation?

Antonio Paolo Beltrami, Interdepartmental Centre for Regenerative Medicine, University of Udine, Udine, ITALY

Human Adult Pluripotent Stem Cells (hPSCs): isolation, characterization and perspectives

Sebastian Amigorena, INSERM, Institut Curie, Section Recherche, Paris, FRANCE

Antigen presentation by dendritic cells

Isabelle Richard, Généthon CNRS, Evry, FRANCE

Therapeutical approaches by gene transfer in Limb-girdle muscular dystrophies

MAY 2007

Leo Eberl, Department of Microbiology, Institute of Plant Biology, University of Zürich, Zürich, SWITZERLAND

Quorum-sensing in the genus Burkholderia: friends and foes talking the same language

Cesare Montecucco, Venetian Institute of Molecular Medicine, Padua, ITALY

Presynaptic enzymatic neurotoxins: what have they told us about neuroexocytosis?

Ananda Chakrabarty, The University of Illinois at Chicago, Chicago, USA

Development of potential anticancer and anti-retroviral drugs from bacteria

Kuan-Teh Jeang, Laboratory of Molecular Microbiology, NIH, Bethesda, MD, USA

Virus and cellular factors: what we have learned from HIV and HTLV

Anil Mehta, Division of Maternal and Child Health Sciences, University of Dundee, Ninewells Hospital and Medical School, Dundee, UK

3 Cancer Kinases Bind to CFTR. Why?

Zoltan Ivics, Max Delbrück Center for Molecular Medicine, Berlin, GERMANY

Relics from the past: molecular biology and applications of resurrected vertebrate transposons

Alain Filloux, Laboratory of Engineering of Macromolecular Systems, IBSM - CNRS, Marseille, FRANCE

Two-component signal transduction systems: a key to the adaptive potential of Pseudomonas aeruginosa

Patrick Humbert, Cell Cycle and Cancer Genetics Laboratory, Peter MacCallum Cancer Centre, Melbourne, AUSTRALIA

The Scribble polarity module in migration and cancer

Michael Brodsky, University of Massachusetts Medical School, Worcester, MA, USA

Regulation of apoptosis and telomere function by the Drosophila p53 pathway

JUNE 2007

Roberto Chiesa, Dulbecco Telethon Institute, Milan, ITALY

Investigation of mutant prion protein toxicity in transgenic models

Paul Lambert, McArdle Laboratory for Cancer Research, University of Wisconsin, USA

Roles of Papillomaviruses in Human Cancers: Lessons Learned in Mice

Harald zur Hausen, German Cancer Research Centre, Heidelberg, GERMANY

Infectious Causes of Human Cancers

John Doorbar, Division of Virology, National Institute for Medical Research, London, UK

The Biology of Papillomavirus Infection and Disease

James Scott, National Heart and Lung Institute, Imperial College, London, UK

Whole-genome association in the metabolic syndrome identifies novel risk factor genes for sub-phenotypes

Jean-Baptiste Sibarita, Compartmentation and Cellular Dynamics, Institut Curie, CNRS, Paris, FRANCE

Tools for the analysis of cellular and intra-cellular activity at high spatial and temporal resolution

./.. JUNE 2007

Tim McKinsey, Gilead Colorado, Inc., Univ. of Colorado at Boulder and Univ. of Colorado Cardiovascular Institute, Denver, Colorado, USA

Regulation of Cardiac Growth by Histone Deacetylase Kinases

Zivko Nikolov, Biological and Agricultural Engineering, Chemical Engineering, Texas A&M University, Texas, USA

Expression and Purification of Proteins from Transgenic Plant Systems

George Lomonosoff, Department of Biological Chemistry, John Innes Centre, Norwich, UK

Exploiting Cowpea mosaic virus in bio- and nano-technology: 101 uses of a plant virus

Monica Gostissa, HHMI Children's Hospital / CBR Institute, Harvard Medical School, Boston (MA), USA

Role of the Double Strand Break Response in suppression of oncogenic translocations in B cell lymphomas

JULY 2007

Rhona H. Borts, Department of Genetics, University of Leicester, Leicester, UK

Sex and the Single Yeast

Nigel Shipston, Independent Consultant (former Head of GMP Process Development, Angel Biotechnology Ltd), UK

GMP Manufacturing of a Recombinant Protein Therapeutic: Challenges and Points to Consider

Matija Peterlin, Rosalind Russell Med. Research Center, Univ. of California at San Francisco (UCSF)

San Francisco, CA, USA

The impact of HIV on eukaryotic biology: from AIDS to APOBEC and APECED

Serena Zacchigna, Center for Transgene Technology and Gene Therapy, Flanders Interuniversity Inst. for Biotechnology (VIB), Univ. of Leuven, Leuven, BELGIUM

Conserved functions of VEGF at the neuro-muscular interface from Drosophila to humans

Opher Gileadi, The Structural Genomics Consortium, University of Oxford,

Botnar Research Centre, Oxford, UK

Structure of the human RecQ-like DNA helicase

AUGUST 2007

Narendra Tuteja, Plant Molecular Biology Laboratory, ICGEB New Delhi, ITALY

Unwinding salt intolerance: a new pathway to plant stress tolerance

SEPTEMBER 2007

Valentina Bonetto, Dulbecco Telethon Institute and "Istituto di Ricerche Farmacologiche Mario Negri", Milan, ITALY

Proteomic approaches to study molecular mechanisms at the basis of amyotrophic lateral sclerosis

Alison McBride, National Institutes of Health, Bethesda, Maryland, USA

Hitchhiking on chromosomes; how papillomavirus genomes persist

Marco Crescenzi, Dept. of Environment and Primary Prevention, Higher Institute of Health, Rome, ITALY

Re-entry into the cell cycle of non-proliferating cells: cardinal role of cell cycle inhibitors

Javier Martinez, Institute of Molecular Biotechnology, IMBA, Vienna, AUSTRIA

Finding new players in RNA silencing and processing

OCTOBER 2007

Alain Nicolas, Institut Curie, Centre de Recherche CNRS, Université Pierre et Marie Curie, Paris, FRANCE

Initiation and targeting of meiotic recombination

Luis Antonio Parada, Cell Biology and Stem Cells Unit, CIC bioGUNE, Derio, SPAIN

Cellular organization of the genome during carcinogenesis

Mark Mercola, Neuroscience and Aging Research Center, Burnham Institute for Medical Research, La Jolla, California, USA

Discovery of Natural and Synthetic Molecules that Regulate Stem Cell Cardiogenesis

Peter Juvan, Centre for Functional Genomics and Bio-Chips, Institute of Biochemistry, Faculty of Medicine, Univ. of Ljubljana, Ljubljana, SLOVENIA

Bioinformatic approaches in microarray data analysis

Francesco Cecconi, Dulbecco Telethon Institute and Department of Biology, University of Rome "Tor Vergata", Rome, ITALY

Role of autophagy and apoptosis in the development of the mammalian nervous system

Lia Crotti, Fondazione IRCCS, Policlinico San Matteo, Pavia, ITALY

The Long QT Syndrome: from clinical questions to research

Henrik Daa Schroeder, Odense University Hospital, University of Southern Denmark, Odense, DENMARK

Booster Therapy? Effect of FA1/dlk1 and ADAM 12 on muscle regeneration

NOVEMBER 2007

Reuven Agami, Division of Tumor Biology, The Netherlands Cancer Institute, Amsterdam, THE NETHERLANDS

miRNA genetic screens reach dead end

Ruedi Aebersold, Institute of Molecular Systems Biology, Zurich, SWITZERLAND

Quantitative proteomics and Systems Biology

Frank Hirth, MRC Centre for Neurodegeneration Research, King's College London, Inst. of Psychiatry, Dept. of Neuroscience, London, ENGLAND

Genetics of brain development and disease in Drosophila

DECEMBER 2007

Stefano Geuna, Department of Clinical and Biological Sciences, University of Turin Medical School, San Luigi Gonzaga Hospital, Turin, ITALY

Regenerating the peripheral nerve: the tissue engineering approach to nerve reconstruction

after trauma and disease

Joseph Guglielmo, Department of Clinical Pharmacy, University of California UCSF, San Francisco, CA, USA

From Drug Discovery to Personalized Medicine

Massimo Loda, Dana-Farber Cancer Institute, Boston, USA

Fatty Acid Synthase as a Metabolic Oncogene

Trieste Seminar Programme 2008 (52)

January 2008

Guido Poli - (Host: M. Giacca)

San Raffaele Scientific Institute, DiBIT, Milan, **ITALY**

Second Life: The Non-Toxic Anti-HIV Properties of Pertussis Toxin

February 2008

Ralph Knöll - (Host: G. Faulkner)

Cardiovascular Mol. Genetics, Heart Center Göttingen, Univ., Göttingen, **GERMANY**

Novel Z-disc proteins and cardiomyopathy

Xavier Darzacq - (Host: A. Marcello)

Ecole Normale Supérieure, CNRS UMR, Paris, **FRANCE**

Transcriptional kinetics in living cells

Jean-Luc Souciet - (Host: C.V. Bruschi)

Université Louis Pasteur et CNRS, Institut de Botanique, Strasbourg, **FRANCE**

Eukaryotic genome evolution: effect of spontaneous duplications, deletions and reciprocal translocations in *Saccharomyces cerevisiae*

Richard Festenstein - (Host: F. Pagani)

MRC Clinical Sciences Centre, Imperial College London, London, **UK**

Epigenetic regulation of Frataxin expression in Friedreich's ataxia - pause for thought?

March 2008

Luis Galletta - (Host: F. Pagani)

Istituto Giannina Gaslini, Genoa, **ITALY**

Pharmacotherapy of cystic fibrosis basic defect

Vesna Todorovic - (Hosts: M. Giacca, M. Lusic)

NYU School of Medicine, Cell Biology Department, New York, NY, **USA**

Long form of latent TGF- β binding protein 1 (Ltbp-1L) is essential for proper cardiac development

Silvia Giordano - (Host: G. Del Sal, LNCIB)

Institute for Cancer Research and Treatment, Candiolo, Torino, **ITALY**

Targeting Met in cancer and metastasis: a matter of addiction and sensitivity

April 2008

Thomas Petes - (Host: C.V. Bruschi)

Department of Molecular Genetics and Microbiology, Duke University, Durham, N.C., **USA**

Genetic regulation of genome stability in yeast

Takashi Suzuki - (Host: F. Feiguin)

Max Planck Institute of Neurobiology, Martinsried, **GERMANY**

A novel axon guidance receptor regulates photoreceptor axon targeting in *Drosophila*

René F. Ketting - (Host: A. Dhir)

Hubrecht Institute, Dev. Biology and Stem Cell Research, Utrecht, **THE NETHERLANDS**

RNA silencing in germ cells

Massimo Levrero - (Host: G. Del Sal, LNCIB)

Department of Internal Medicine, University "La Sapienza", Rome, **ITALY**

Molecular pathogenesis of HCC: viruses, candidate genes and control circuits

Tim R. Crook - (Host: G. Del Sal, LNCIB)

Laboratory of Cancer Genetics and Epigenetics, Institute of Cancer Research, London, **UK**

Kelly Perkins - (Hosts: M. Giacca, M. Lusic)

Sir William Dunn School of Pathology, University of Oxford, Oxford, **UK**

Turning Full Circle; Transcription-dependent HIV-1 gene looping is dictated by pre-mRNA processing signals

Massimo Pandolfo - (Host: F. Pagani)

Service de Neurologie, Hôpital Erasme - Université Libre de Bruxelles, Brussels, **BELGIUM**

Friedreich ataxia: linking chromatin to mitochondria to the patient. What we understand of the pathogenesis of a hereditary neurodegenerative disease and how we try to treat it

May 2008

Fabrizio d'Adda di Fagagna - (Host: G. Del Sal, LNCIB)

IFOM Foundation, The FIRC Institute of Molecular Oncology, Milan, **ITALY**

The role of cellular senescence in cancer and aging

Wouter de Laat - (Hosts: M. Giacca, M. Lusic)

Dept. of Cell Biology and Genetics, Erasmus MC, Rotterdam, **THE NETHERLANDS**

New strategies to uncover folding and structural variation in our genome

Roberta Benetti - (Host: G. Del Sal, LNCIB)

LNCIB, Trieste, **ITALY**

Epigenetic control of telomeric and subtelomeric regions in mammals

Giorgio Inghirami and Roberto Piva - (Hosts: M. Giacca, C. Schneider, LNCIB)

Dept. of Biomedical Science and Human Oncology, University of Turin, **ITALY**

Anaplastic lymphoma kinase: from lymphoma to solid tumours

Joaquin Espinosa - (Host: F.E. Baralle)

Mol. Cellular and Dev. Biology, University of Colorado at Boulder UCB, CO, **USA**

Mechanisms of regulatory diversity within the p53 tumor suppressor network

Dimitris Kioussis - (Hosts: M. Giacca and G. Legname, SISSA)

Division of Molecular Immunology, MRC Nat. Inst. for Medical Research, London, **UK**

Common Regulatory Mechanisms in enteric lymphoid and neuronal organogenesis

Ernesto Guccione - (Host: G. Del Sal, LNCIB)

European Institute of Oncology, Milan, **ITALY**

Histone methylation: regulator of chromatin activity and transcription factor binding

Colin Sharpe - (Host: F. E. Baralle)

School of Biology, Inst. of Biomed. & Biomolecular Science, Univ. of Portsmouth, **UK**

The regulation of retinoid signaling

Lucia Sironi - (Host: Silvia Onesti, Sincrotrone Trieste)

EMBL, Heidelberg, **GERMANY**

From spindle assembly checkpoint to microtubule dynamics in living cells

Jørgen Kjems - (Host: A. Marcello)

Department of Molecular Biology, University of Aarhus, Aarhus, **DENMARK**

RNA therapeutics

Klaus Foerstemann - (Host: M. Bhuvanagiri)

Gene Centre Munich, Ludwig-Maximilians University LMU, Department of Chemistry and Pharmaceutics, Munich, **GERMANY**

Biology of microRNAs in *Drosophila*

June 2008

Guido Tarone - (Host: M. Giacca)

Department of Genetics, Biology and Biochemistry, University of Turin, **ITALY**
Melusin, a stress regulated protein controlling compensatory heart hypertrophy

Claudio Cuello - (Host: F.E. Baralle)

McGill Faculty of Medicine, Montreal, Quebec, **CANADA**
The impact of intracellular and extracellular Abeta amyloid peptide in Alzheimer's neuropathology

July 2008

Jernej Ule - (Host: A. D'Ambrogio)

MRC Laboratory of Molecular Biology, Cambridge, **UK**
The role of alternative splicing in neuronal function

Martin Kupiec - (Host: C. Bruschi)

Dept. of Molecular Microbiology and Biotechnology, Tel Aviv University, **ISRAEL**
Genome stability, vertical and horizontal views

Elias Polykandriotis - (Host: M. Giacca)

University of Erlangen Medical Center, Erlangen, **GERMANY**
Early and late angiogenic phenomena in a bioartificial neovascular assembly

Elisabetta Traggiai - (Hosts: O. Burrone, F. Benvenuti)

Laboratory of Immunology and Rheumatic Disease, Institute G. Gaslini, Genoa, **ITALY**
B cell polyclonal activation in protective and autoimmune responses

September 2008

Roland Kanaar - (Host: C. Bruschi)

Erasmus Medical Center, Dept. Radiation Oncology, Rotterdam, **THE NETHERLANDS**
Mechanisms of genome maintenance

October 2008

Peter J. McHugh - (Host: A. Vindigni)

University of Oxford, John Radcliffe Hospital, Oxford, **UK**
Interstrand crosslinks: extreme DNA damage and its repair

Roberto Latini - (Host: M. Giacca)

Lab di Farmacologia Clinica Cardiovascolare, Istituto "Mario Negri", Milan, **ITALY**
Pentraxin 3, myocardial infarction and heart failure

Wendy Bickmore - (Host: A. Marcello)

Chromosomes and Gene Expr. Section, MRC Human Genetics Unit, Edinburgh, **UK**
Spatial organisation of the genome and gene expression

Anne E. Griep - (Host: L. Banks)

University of Wisconsin School of Medicine and Public Health, Madison, **USA**
Role of Dlg-1 and Scrib in development of the mouse ocular lens

Marco Spadaro - ((Hosts: D. Ripandelli, M. Giacca)

Studio Associato Leone & Spadaro, Rome, **ITALY**
Short Course in Intellectual Property: Protecting Inventions

Thomas Helleday - (Host: A. Vindigni)

Radiation Oncology and Biology, Univ of Oxford, **UK**
Recombination repair in bypass of replication blocks in mammalian cells

André Furger - (Host: A. Muro)

University of Oxford, Genetics Unit, Department of Biochemistry, Oxford, **UK**
3' end formation and the polycistronic dilemma

Dror Minz - (Host: V. Venturi)

Institute for Soil, Water and Env. Sciences, Volcani Research Center, Bet-Dagan, **ISRAEL**
Studies on soil microbial community and structure

Benoit Chabot - (Host: F. Pagani)

Dépt. de Microbiologie et d'Infectiologie, Université de Sherbrooke, Québec, **CANADA**
A convergence of splicing connections in apoptosis and cancer

November 2008

Bettina Schmid - (Host: F. Feiguin)

Adolf-Butenandt-Institute, Department of Biochemistry, Muenchen, **GERMANY**
Zebrafish as a model to study neurodegenerative diseases

Deirdre Scadden - (Hosts: A. Kula, A. Marcello)

Department of Biochemistry, University of Cambridge, Cambridge, **UK**
Proteins that bind inosine-containing dsRNA

Igor Stagljär - (Host: A. Vindigni)

Centre for Cellular and Biomolecular Research, Univ. of Toronto, ON, **CANADA**
Membrane protein complexes and functional pathways: from yeast to humans

Luca Bini - (Host: A. Vindigni)

Faculty of Mathematics, Physics and Natural Sciences, University of Siena, **ITALY**
Proteomics to unravel biological complexity

Dimitris Thanos - (Hosts: M. Giacca, M. Lusic)

Institute of Mol. Biol., Biomedical Research Foundation, Academy of Athens, **GREECE**
Mechanisms of stochastic gene expression of complement factor H can ruin your kidneys and make you go blind

December 2008

Kurt Giles - (Hosts: M. Giacca, G. Legname (SISSA))

Institute for Neurodegenerative Diseases, Univ. of California, S. Francisco CA, **USA**
The molecular basis of human prion diseases

Ana Eulalio - (Host: M. Giacca)

Max Planck Institute for Development Biology, Tuebingen, **GERMANY**
Mechanisms of microRNA-mediated gene silencing

Carlo Pedone - (Host: M. Giacca)

Institute of Biostructure and Bioimaging (IBB), CNR, Naples, **ITALY**
Molecular pharmaceuticals and diagnostics in Naples

Paul Barlow - (Host: M. Giacca)

Biomolecular NMR Unit, University of Edinburgh, Edinburgh, **SCOTLAND**
Why the wrong kind of complement factor H can ruin kidneys and make you go blind

Raffaella Giavazzi - (Host: M. Giacca)

Mario Negri Institute for Pharmacological Research, Dept. of Oncology, Milan, **ITALY**
Angiogenesis inhibitors in cancer treatment: strategies for combination with chemotherapy

Trieste Seminar Programme 2009 (45)

January 2009

Laura Ciarponi (Host: F. Feiguin)
University of Rome "La Sapienza", Dept. of Genetics and Molecular Biology, Rome, **ITALY**
Terminin: a Drosophila telomere protection complex functionally analogous to human shelterin

February 2009

Matteo Curtarello (Host: A. Marcello)
Department of Histology, Microbiology and Medical Biotechnologies, University of Padua, Padua, **ITALY**
Immunomodulatory effect of Human Herpesvirus 8 glycoprotein vOX2 in monocytes-macrophages

Penny Jeggo (Host: A. Vindigni)
University of Sussex, Department of Biochemistry, Brighton, **UK**
The impact of higher order DNA structure on Double strand break repair

Steve Diggle (Host: S. Pongor)
Institute of Infection, Immunity and Inflammation Centre for Biomolecular Sciences, University of Nottingham, **UK**
Quorum sensing and the social evolution of bacterial virulence

Timo Glatter (Host: A. Vindigni)
Institute for Molecular Systems Biology, Swiss Federal Institute of Technology, Zürich, **SWITZERLAND**
Analyzing signaling networks using mass spectrometry

Carlo Tacchetti (Host: A. Marcello)
Centre of Cell Oncology Ultrastructure, MicroSCoBiO Research Center, Dept. of Exp. Medicine, Univ. of Genoa, **ITALY**
Correlative Light/EM microscopy (CLEM): two is better than one

Gianluigi Condorelli (Host: M. Giacca)
Department of Medicine, National Research Council CNR Rome, Rome, **ITALY**
Signaling circuits controlling myocardial function

March 2009

Stephen C. West (Host: M. Giacca)
Cancer Research UK, London Research Institute, Clare Hall Laboratories, South Mimms, Herts, **UK**
Defects in DNA strand break repair and links to human disease

Paul Freemont (Host: M. Giacca)
Division of Molecular Biosciences, Department of Life Sciences, Imperial College London, London, **UK**
Understanding the functional and structural specificity of the mammalian chaperone p97/VCP

John Doorbar (Host: L. Banks)
Division of Virology, National Institute for Medical Research, London, **UK**
Regulation and De-Regulation of the Human Papillomavirus Life Cycle

April 2009

Silvano Sozzani (Hosts: O. Burrone, F. Benvenuti)
University of Brescia, Department of Biomedical Sciences and Biotechnology, Brescia, **ITALY**
Regulation of dendritic cell migration by chemokines and inflammatory signals

Erik Storkebaum (Host: M. Giacca)
Developmental and Molecular Genetics Section, Katholieke Universiteit Leuven, Brussels, **BELGIUM**
VEGF: once regarded as a specific angiogenic factor, now implicated in neuroprotection, vascular regulation and synaptic plasticity

Andrea Graziani (Host: M. Giacca)
Department of Pharmacy, University of "Piemonte Orientale", Novara, **ITALY**
The Ghrelin puzzle: one gene, two peptides, three hormones, ..how many receptors?

Pier Lorenzo Puri (Host: G. Del Sal)
Laboratory of Gene Expression, Dulbecco Telethon Institute, Rome, **ITALY**
Epigenetic Control of gene expression in muscle progenitors in response to extrinsic and intrinsic cues

Michela Cesco Gaspere (Host: O. Burrone)
Immunology Dept, University College Medical School, London, **UK**
Gene-modified T cells for cancer immunotherapy

John McLauchlan (Host: A. Marcello)
University of Glasgow, MRC Virology Unit, Glasgow, Scotland, **UK**
Replication of the Hepatitis C Virus Genome

May 2009

Juan Burrone (Host: O. Burrone)
MRC Centre for Developmental Neurobiology, King's College London, London, **UK**
The synapse: from vesicles to networks

Massimiliano Gnechi (Host: M. Giacca)
Department of Cardiology, Fond. IRCCS Policlinico San Matteo and University of Pavia, Pavia, **ITALY**
Mesenchymal stem cells repair ischemic hearts through paracrine mechanisms

Thomas Hofman (Hosted Seminar: G. Del Sal - CIB)
Cellular Senescence, German Cancer Research Centre (DKFZ) Heidelberg, **GERMANY**
Regulation of DNA damage-induced cell death by HIPK2

June 2009

Lavinia Albéri (Host: M. Giacca)
The Johns Hopkins Institute for Cell Engineering, Department of Neurology, Baltimore MD, **USA**
Activity dependent Notch signaling requires Arc/Arg 3.1 and it regulates synaptic plasticity

Adeyemi Adesokan (Host: D. Ripandelli)
Department of Genetics, Harvard Medical School, Boston MA, **USA**
From Local to Global genomics: The Bioweather Map Initiative

Gioacchino Natoli (Host: G. Del Sal, LNCIB)
Department of Experimental Oncology, European Institute of Oncology, Campus IFOM-IEO, Milan, **ITALY**
The epigenomic and the control of inflammatory gene expression

June 2009

Stephane Heymans (Host: M. Giacca)

Cardiovascular Res. Institute Maastricht (CARIM), Dept. of Cardiology, Maastricht, **THE NETHERLANDS**
A protective role for the matricellular proteins osteonectin and osteoglycin against heart failure

Balaji Prakash (Hosts: S. Onesti - SISSA, M. Giacca)

Department of Biological Sciences & BioEngineering, Indian Institute of Technology, Kanpur, **INDIA**
Bacterial adaptation to stress: Structure-function relationships in Rel proteins

Alan Bittles (Host: F. Baralle)

Centre for Human Genetics, Biomed. and Health Sciences Edith Cowan Univ., Joondalup, **AUSTRALIA**
Consanguinity and the global burden of disease

Rafael Garcia-Mata (Host: L. Banks)

Department of Cell and Developmental Biology, University of North Carolina, Chapel Hill, NC, **USA**
The secret life of Rho proteins: Rho signaling in the nucleus and regulation of Rho degradation by GDIs

Fulvio Mavilio (Host: G. Del Sal - CIB)

Dept. of Biomedical Sciences, Univ. of Modena and Reggio Emilia, Institute S, Raffaele, Milan, **ITALY**
Understanding the interactions between retroviruses and the human genome

July 2009

Giacinto Scoles (Host: M. Giacca)

International School for advanced studies (SISSA), Trieste, **ITALY**
Towards Single Cell Proteomics Using Protein Nanoarrays

Francesco Zanuttin (Host: ICS-Unido)

CBM, Nanomedicine Group, Trieste, **ITALY**
Proposal for innovative nano-medicine approach to "orphan" diseases

Davide Mazza (Host: A. Marcello)

LRBGE-National Cancer Institute, The National Institutes of Health, Bethesda, MD, **USA**
Towards the validation of in-vivo binding rates measurements by quantitative fluorescence microscopy techniques

Andrés Aguilera (Host: C. Bruschi)

Centro Andaluz de Biología Molecular y Medicina Regenerativa, CABIMER, Sevilla, **SPAIN**
Genomic instability linked to specific deficiencies in nucleotide excision repair and mRNP biogenesis

Enrico Di Cera (Host: A. Vindigni)

Department of Biochemistry and Mol. Biophysics, Washington University, School of Medicine, St. Louis, MO, **USA**
Engineering thrombin for anticoagulant activity in vivo

September 2009

Mark Wade (Host: M. Giacca)

Gene Expression Lab-Wahl, The Salk Institute for Biological Studies, La Jolla, CA, **USA**
Hits and misses: targeting the mdmX oncogene in cancer therapy

Lena Claesson-Welsh (M. Giacca)

Uppsala University, Dept. of Genetics and Pathology, Rudbeck Laboratory, Uppsala, **SWEDEN**
VEGF signaling; overview with focus on vascular permeability

October 2009

Alberto Auricchio (Host: F. Pagani)

Department of Pediatrics, "Federico II" University, and TIGEM, Napoli, **ITALY**
AAV-mediated gene transfer to the retina and liver for human inherited diseases

Mariano Garcia-Blanco (Host: F. E. Baralle)

Dept. of Mol. Genetics and Microb., Duke Univ. Medical Center, Durham, North Carolina, **USA**
Dengue virus host factors: new analysis of an old RNA pathogen

Karl Münger (Host: L. Banks)

The Channing Laboratory, Brigham and Women's Hospital, Boston, MA, **USA**
Perturbation of host cellular regulatory networks by human papillomaviruses

Hermann Schätzl (Host: G. Legname, SISSA)

Institute of Virology, Technische Universität, München, **GERMANY**
Prion infections: from molecular biology to therapy and prophylaxis

Denise P. Barlow (Host: A. Kula)

Research Center for Mol. Med., Austrian Academy of Science and Univ. of Vienna, **AUSTRIA**
Regulation of Imprinted Gene clusters by Macro Non-coding RNAs

Bernard Dujon (Host: C. Bruschi)

Institut Pasteur, Dept. « Génomes et Génétique », Univ. P. et Marie Curie, Paris, **FRANCE**
Comparative genomics of protoplod Saccharomycetaceae

November 2009

Adelaida Sarukhan (Host: F. Benvenuti)

Istituto Clinico Humanitas, Milan, **ITALY**
On the mechanisms of immune regulation

December 2009

Alberto R. Kornblihtt (Host: M. Giacca)

Eukaryotic Molecular Biology Group, School of Sciences, Univ. of Buenos Aires, **ARGENTINA**
Chromatin structure and alternative splicing

Maria Fátima BOSCH TUBERT (Host: M. Giacca)

Centre de Biociologia Animal i de Teràpia Gènica, Univ. de Barcelona, Barcelona, **SPAIN**
Gene therapy approaches for diabetes mellitus

Dmitrij Frishman (Host: S. Pongor)

Computational Genomics, Technical University of Munich, **GERMANY**
Protein evolution

Denise P Barlow (Host: M. Giacca)

CeMM Center for Molecular Medicine of the Austrian Academy of Science, Vienna, **AUSTRIA**
Regulation of Imprinted Gene clusters by Macro Non-coding RNAs

Trieste Seminar Programme 2010 (47)

January 2010

Tom **MISTELI** (Host: M. Giacca)
Cell Biology of Gene Expression Group, National Cancer Institute Laboratory of Receptor Biology and Gene Expression, NIH, Bethesda, Maryland, **USA**
Nuclear architecture and aging

Kuan-Teh **JEANG** (Host: M. Giacca)
Molecular Virology Section, Laboratory of Molecular Microbiology, National Institute of Allergy and Infectious Diseases, NIH, Bethesda, Maryland, **USA**
Virus-cell interactions: lessons from studying human retroviruses

Edouard **BERTRAND** (Host: M. Giacca)
Intracellular RNA Trafficking, Institut de Génétique Moléculaire de Montpellier (IGMM), Montpellier, **FRANCE**
Real-time imaging of co-transcriptional splicing reveals a check-points that regulates mRNA release and 3'-end formation

Stefan **ENGELHARDT** (Host: M. Giacca)
Institut für Pharmakologie und Toxikologie, Technische Universität München, **GERMANY**
Signalling in the myocardium: Novel mechanisms

Mauro **PISTELLO** (Host: M. Giacca)
Department of Experimental Pathology, Retrovirus Center and Virology Section, University of Pisa, **ITALY**
What feline immunodeficiency virus can teach us about HIV

February 2010

Keith **CALDECOTT** (Host: A. Vindigni)
Genome Damage and Stability Centre, University of Sussex, Brighton, East Sussex, **UK**
Chromosomal single-strand break repair and human genetic disease

Michael **BREITENBACH** (Host: A. Vindigni)
Department of Genetics, Salzburg University, Salzburg, **AUSTRIA**
Yeast as a model for aging and oxidative stress: the role of mitochondrial and extramitochondrial ROS

March 2010

Marco **PRESTA** (Host: M. Giacca)
Department Biomedical Sciences and Biotechnology, School of Medicine, University of Brescia, **ITALY**
The pro-angiogenic cystine-knot protein Drm/gremlin-1 is a novel VEGFR2 agonist

Queta **SMITH** (Hosts: M. Giacca/M. Mano)
Associate Director, Technical Communications, Thermo Scientific Genomics, Lafayette, Colorado, **USA**
Integrated RNAi Approach to Small-Scale Functional Genomics

Cristina **RISCO** (Host: O. Burrone)
Centro Nacional de Biotecnología, CSIC Cell Structure Laboratory, Madrid, **SPAIN**
3D electron microscopy and molecular mapping unveil the unique architecture of virus factories

Jean-Luc **SOUCIET** (Host: C. Bruschi)
Université de Strasbourg et CNRS, UMR 7156 Génétique Moléculaire, Génomique, Microbiologie GDR 2354 Génolevures, Strasbourg, **FRANCE**
Genome evolution in hemiascomycetous yeasts and the contribution of Ty and TGA to chromosomal dynamics

Christopher **PEARSON** (Host: M. Giacca)
Department of Genetics, The Hospital for Sick Children, Toronto, **CANADA**
Repeat instability as the basis for human diseases and as a potential target for therapy

Nick **PROUDFOOT** (Host: M. Giacca)
Sir William Dunn School of Pathology, Molecular Biology, University of Oxford, Oxford, **UK**
Gene punctuation: multiple roles of transcriptional termination in regulating eukaryotic gene expression

Sabrina **SONDA** (Host: C. Bruschi)
Institute of Parasitology, University of Zurich, Zurich, **SWITZERLAND**
A single HDAC regulates gene expression and stage differentiation in the minimized protozoan Giardia lamblia

April 2010

Matthias **GSTEIGER**
ETH Zurich, Institute of Molecular Systems Biology, Zurich, **SWITZERLAND**
Analysis of cellular signaling complexes by quantitative mass spectrometry (Host: A. Vindigni)

Stefano **GUSTINCICH**
International School for Advanced Studies, SISSA, Trieste, **ITALY**
The transcriptional landscape of Dopaminergic Neurons and its significance for Parkinson's Disease (Host: M. Giacca)

John **DIFLEY**
Chromosome Replication Laboratory, London Research Institute, Clare Hall Laboratories, South Mimms, London, **UK**
Mechanism and Regulation of DNA Replication in Yeast (Host: C. Bruschi)

May 2010

Ferdinando **DI CUNTO** (Host: F. Feiguin)
Department of Genetics, Biology and Biochemistry, University of Turin, Turin, **ITALY**
Coexpression based approaches for functional prediction and disease genes prioritization: the power of simple bioinformatics performed on neglected data

Robert W. **JACKSON** (Host: V. Venturi)
School of Biological Sciences, Animal and Microbial Sciences Building (Wing), University of Reading, **UK**
Life and Death in the Phytosphere: the challenges faced by plant pathogenic bacteria

Frank **BROMBACHER** (Host: M. Giacca)
Cytokines and Disease, ICGEB Cape Town, Cape Town, **SOUTH AFRICA**
Host immunity to helminths: the essential role of IL-4/IL-13 target cells!

June 2010

Jean-Christophe **MARINE** (Host: G. Del Sal LNCIB)
Laboratory For Molecular Cancer Biology, VIB-KULeuven, **BELGIUM**
MicroRNAs: Tiny Achilles' Heel of Retinoblastoma

Ivan **AHEL** (Host: A. Vindigni)
DNA damage response group, Paterson Institute for Cancer Research, University of Manchester, **UK**
Poly(ADP-ribosyl)ation in regulation of DNA repair

July 2010

Veit **HORNUNG** (Host: M. Giacca)
Institut für Klinische Chemie und Pharmakologie Universitätsklinikum Bonn, **GERMANY**
Recognition of nucleic acids by the innate immune system

Gera **NEUFELD** (M. Giacca)
Cancer Res. & vascular Biol., The Bruce Rappaport Faculty of Medicine, Israel Inst. of Technology, Haifa, **ISRAEL**
Type-A plexins and class-3 semaphorins as modulators of angiogenesis and tumor progression

Philip **MENDES** (D. Ripandelli)
Opteon Pty. Ltd., Brisbane, **AUSTRALIA**
The critical role the scientist plays in the commercialisation of IP

Toni **CATHOMEN** (Host: M. Giacca)
Hannover Medical School, Experimental Hematology, Hannover, **GERMANY**
Zinc positive: designer nucleases in gene therapy

Ronald **KOOP** (Host: M. Giacca)
Caliper Life Sciences, Technical Applications, In Vivo Imaging, Magdebourg, **GERMANY**
Biophotonic 2-dimensional and 3-dimensional Imaging for Monitoring Pathologies in Live Animals

August 2010

Anindya **DUTTA** (Host: M. Giacca)
Biochemistry and Molecular Genetics, University of Virginia School of Medicine, Charlottesville, VA, **USA**
Ubiquitination pathways in the DNA replication and response to DNA damage

September 2010

Sandro **DE FALCO** (Host: M. Giacca)
Institute of Genetics and Biophysics "A. Buzzati Traverso", CNR, Naples, **ITALY**
New strategies for the inhibition of VEGFs-dependent pathological angiogenesis

Alessandro **COSTA** (Host: S. Onesti, Sincrotrone Trieste)
Berger Laboratory, University of California, Berkeley, CA, **USA**
The structural basis for MCM2-7 helicase activation by GINS and Cdc45

Stefano **INDRACCOLO** (Host: M. Giacca)
U.O.C. Immunology and Molecular Oncology Diagnostics, Venetian Institute of Oncology, IRCCS, Padua, **ITALY**
The Notch pathway in the regulation of tumor dormancy

Ulrich **HÜBSCHER** (Host: A. Vindigni)
Institute of Veterinary Biochemistry and Molecular Biology, University of Zürich-Irchel, Zürich, **SWITZERLAND**
Oxygen as a friend and enemy: how to combat the mutational potential of 8-oxo-guanine

Andrés **AGUILERA** (Host: C. Bruschi)
Departamento de Genética, Facultad de Biología, Universidad de Sevilla, **SPAIN**
R-loops and human AID in the origin of genome rearrangements in a model organism

Kostas **PANTOPOULOS** (Host: F.E. Baralle)
Department of Medicine, McGill University, Lady Davis Institute for Medical Research, Sir Mortimer B. Davis Jewish General Hospital, Montreal, Quebec **CANADA**
Iron metabolism, liver disease and cancer

October 2010

Ariberto **FASSATI** (Host: A. Marcello)
Reader in Cellular & Molecular Virology, The Wohl Virion Centre, Div. of Infection and Immunity, UCL Medical School, London, **UK**
Exploring the interactions between HIV-1 and the host cell by chemical genetics

Pierre-Henri **GAILLARD** (Host: M. Myers)
Genome Instability and Carcinogenesis Department, IGC - UPR 3081 CNRS, Marseille, **FRANCE**
Maintenance of Genome Integrity by DNA Repair and Recombination Endonucleases

Ian **ZACHARY** (Host: M. Giacca)
UCL School of Life and Medical Sciences, University College London, London, **UK**
Regulation of Angiogenesis, VEGF Signalling, and Tumour Growth by Neuropilins

Richard **SNYDER** (Host: M. Giacca)
Biotherapeutic Programs, Office of Research, Department of Molecular Genetics and Microbiology, Univ. of Florida, **USA**
Recombinant AAV Vectors: persistence in vivo and clinical product release

Luigi **MARCHIONNI** - (Host: C. Schneider, LNCIB Trieste)
Department of Oncology, Johns Hopkins University School of Medicine, Baltimore, **USA**
The prostate cancer transcriptome: dissection by Gleason Grade

Stephan **GELEY** - (Host: C. Schneider, LNCIB, Trieste)
Division of Molecular Pathophysiology, Innsbruck Biocenter, **AUSTRIA**
Motor proteins in mitosis

November 2010

Olivier **ROHR** (Host: A. Marcello)
Institut Universitaire de France, IUT Louis Pasteur, Université de Strasbourg, **FRANCE**
Control of HIV-1 gene transcription by CTIP2

Thierry **PEDRAZZINI** (Host: M. Giacca)
Experimental Cardiology Unit, Department of Medicine, University of Lausanne Medical School, Lausanne, **SWITZERLAND**
Importance of the Notch pathway in the adaptation of the heart to stress

Valerio **ORLANDO** (Host: G. Del Sal - LNCIB, Trieste)
Dulbecco Telethon Institute, Epigenetics and Genome Reprogramming lab., IRCCS Fondazione S. Lucia, Rome, **ITALY**
Role of noncoding genome in epigenetic control of cell identity

December 2010

Brad **Nelson** (Host: O. Burrone)
Deeley Research Centre, British Columbia Cancer Agency, Victoria, **CANADA**
Toward personalized immunotherapy of cancer

Shona **MURPHY** (Host: F. Pagani)
Regulation of expression of human genes, Sir Will Dunn School of Pathology, University of Oxford, **UK**
Expression of human snRNA genes from beginning to end

Terrence **STRICK** (Host: M. Myers)
Institute Jacques Monod, CNRS, Paris, **FRANCE**
Bottom-up reconstruction of two canonical DNA repair pathways for single-molecule detection

Vincenzo **VINDIGNI** (Host: A. Vindigni)
Clinica di Chirurgia Plastica e Ricostruttiva, Università di Padova, Padova, **ITALY**
New developments in tissue engineering of microvascular prostheses

Trieste Seminar Programme 2011 (46)

January 2011

John DOORBAR - L. Banks

Division of Virology, National Institute for Medical Research, London, **UK**
Papillomavirus Life Cycle Regulation in Infected Epithelium

Gianluigi CONDORELLI - M. Giacca

University of Milan-Bicocca, **ITALY** and University of California San Diego, **USA**
New genetic pathways controlling myocardial functions

Marco MUZI-FALCONI - A. Vindigni

Department of Biomolecular Science and Biotechnology, University of Milan, **ITALY**
Converging mechanisms for the activation of the DNA damage checkpoint

February 2011

Eli KESHET - M. Giacca

Developmental Biology and Cancer Research, The Hebrew University of Jerusalem, **ISRAEL**
Homeostatic functions of VEGF in adult organs

Piergiorgio PERCIPALLE - M. Giacca

Department of Cell and Molecular Biology, Karolinska Institute, Stockholm, **SWEDEN**
Actin and actin-associated proteins in transcriptional and posttranscriptional control of gene expression

Massimo LOPES - A. Vindigni

Institute of Molecular Cancer Research, University of Zurich, **SWITZERLAND**
Modulation of the host immune response by Helicobacter pylori Neutrophil Activating Protein and its possible applications in therapy

Snezana KOJIC - M. Giacca

Institute of Molecular Genetics and Genetic Engineering, Belgrade, **SERBIA**
Multi-talented muscle ankyrin repeat proteins Ankrd1/CARP and Ankrd2/Arpp

March 2011

Chetan CHITNIS - M. Giacca

Malaria Group, International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi, **INDIA**
Red Cell Invasion by Malaria Parasites: From Basic Biology to Vaccine Development

Robert BALOH - Host: F. E. Baralle

Assistant Professor in Neurology, Washington University School of Medicine, St. Louis, MO, **USA**
Deciphering the Role of TDP-43 in ALS and Other Neurodegenerative Disorders

Chunaram Choudhary - A. Vindigni

Proteomics and Cell Signaling, Department of Proteomics, The NNF Center for Protein Research, Faculty Of Health Sciences, University of Copenhagen, **DENMARK**

Marco SANDRI - G. Biolo, LNCIB - Trieste

Dept. Experimental Biomedical Sciences, Univ. Padua, Venetian Institute of Molecular Medicine, Padua, **ITALY**
Autophagy regulation and the control of muscle mass

Giovanni BLANDINO - G. Del Sal, LNCIB - Trieste

Translational Oncogenomic Unit, Regina Elena Cancer Institute, Rome, **ITALY**
Exploring tumor chemoresistance: miRNAs and cancer stem cells

April 2011

Marina DE BERNARD - F. Benvenuti

Venetian Institute of Molecular Medicine, University of Padua, **ITALY**
Modulation of the host immune response by helicobacter pylori neutrophil activating protein and its possible applications in therapy

Maurizio MOLINARI - O. Burrone

Institute for Research in Biomedicine, Bellinzona, **SWITZERLAND**
ERAD and ERAD tuning: disposal of cargo and of ERAD regulators from the mammalian ER

Pavel JANSČAK - A. Vindigni

Institute of Molecular Cancer Research, University of Zurich, Zurich, **SWITZERLAND**
Cooperation of Werner syndrome protein and DNA polymerase lambda in repair of oxidative DNA damage

Maurizio D'INCALCI - G. Del Sal, LNCIB - Trieste

Istituto Ricerche Farmacologiche "M.Negri", Milan, **ITALY**

The preclinical and the clinical development of the marine natural product trabectedin: a success story of translational research

Alessia ZAMBORLINI - M. Giacca

Cons. National des Arts et Métiers, Département CASER, Inst. Universitaire d'Hématologie, Paris, **FRANCE**
Post-translational modifications of HIV-1 proteins: role of integrase SUMOylation in viral infectivity

Matteo IANNACONE - F. Benvenuti

Division of Immunology, San Raffaele Scientific Institute, Milan, **ITALY**
The role of CD169+ lymph node macrophages in antiviral immunity

Javier F. CACERES - A. Muro

MRC, Human Genetics Unit, Chromosomes and Gene Expression Section, Western General Hospital, Edinburgh, **UK**
Regulation of miRNA biogenesis and function

May 2011

Stefan SCHOEFTNER - G. Del Sal - LNCIB - Trieste

Department of Molecular Medicine, Regina Elena Cancer Institute, Rome, **ITALY**
Non-coding RNA in telomere regulation

Cayo RAMOS - V. Venturi

Area de Genética, Facultad de Ciencias, Universidad de Málaga, **SPAIN**

Untying olive knots: functional genomics of the tumour-inducing pathogen of woody hosts Pseudomonas savastanoi

Patrizia LONGONE - F. E. Baralle

Dipartimento di Neurobiologia Molecolare IRCCS Fondazione Santa Lucia, Rome, **ITALY**
Central nervous system alterations in Amyotrophic Lateral Sclerosis (ALS), evidence from the SOD1G93A mouse model

Michele MORGANTE - M. Giacca

Department of Agriculture and Environmental Sciences, Udine, **ITALY**

New sequencing technologies and their applications in biological and biomedical research

Juraj GREGAN - C. Bruschi

Max F. Perutz Laboratories, Department of Chromosome Biology, University of Vienna, **AUSTRIA**
Pcs1/Mde4 complex is required to prevent merotelic kinetochore orientation

Daniele CATALUCCI - M. Giacca/ M. Mano

National Research Council (CNR), Milan, **ITALY**
Signaling pathways controlling myocardial function

June 2011

Martin KUPIEC - C. Bruschi

Pasha Gol Chair for Applied Microbiology, Dept. of Molecular Microbiology & Biotechnology, Tel Aviv University, Ramat Aviv, **ISRAEL**
Telomere length regulation in yeast

Patrick VERSTREKEN - F. Feiguin

Department of Molecular and Developmental Genetics, K.U. Leuven, Centre for Human Genetics, La of Neuronal Communication, Leuven **BELGIUM**
Synaptic vesicle trafficking in health and neurological disease

Ed LOUIS - C. Bruschi

Centre for Genetics and Genomics, Queens Medical Centre, University of Nottingham, **UK**
Population genomics and complex traits in yeast

Philippe BENAROCH - F. Benvenuti

Intracellular Transport and Immunity, Institut Curie, Paris, **FRANCE**
A dynamic journey into HIV assembly in primary macrophages

David KLATZMANN - M. Giacca

Immunology-Immunopathology-Immunotherapy, Pierre et Marie Curie University & Medical School, Pitié-Salpêtrière Hospital, Paris, **FRANCE**
Immunosurveillance of cancer: revision of a dogma and therapeutic implication

Douglas BLACK - F. E. Baralle

HHMI Investigator, University of California, Los Angeles, **USA**
Alternative Splicing and the Regulation of Neuronal Gene Expression

July 2011

Arndt SIEKMANN - M. Giacca/ S. Zacchigna

Max-Planck-Institute for Molecular Biomedicine, Laboratory for Cardiovascular Patterning, Muenster, **GERMANY**
Using zebrafish to study angiogenesis

Michele DE LUCA - M. Giacca

Centre for Regenerative Medicine "Stefano Ferrari", University of Modena and Reggio Emilia, Modena, **ITALY**
Epithelial stem cells and regenerative medicine

August 2011

Volker LOHMANN - A. Marcello

Department of Infectious Diseases, Molecular Virology, University of Heidelberg, Heidelberg, **GERMANY**
Viral and host factors of hepatitis C virus replication

September 2011

Beatriz Llamusí TROISI - F. E. Baralle

Dpto. Genética, Facultad de Biología Universidad de Valencia, Burjassot Valencia, **SPAIN**
TBPH involvement in Myotonic Dystrophy 1

Zsuzsanna IZSVAK - M. Giacca

Max Delbrück Center for Molecular Medicine, MDC, Mobile DNA, Berlin, **GERMANY**
Sleeping Beauty as a Model of Stress-Induced Transposition

Maurizio CAPOGROSSI - M. Giacca

Istituto Dermatologico della Immacolata, IDI, Patologia Vascolare, Rome, **ITALY**
HMGB1 and left ventricular remodeling after infarction

Vincenzo CIMINALE - A. Marcello

Department of Oncology, University of Padua, **ITALY**
Insights into the mechanisms of HTLV-1 persistence and cell transformation

October 2011

Vincenzo LIONETTI- M. Giacca/L. Zentilin

Assistant Professor of Physiology, Sector of Medicine Scuola Superiore S.Anna, Pisa, **ITALY**
Prometheus heart: new steps forward in the modulation of cardiac remodeling without stem cell transplantation

Graziella DI CRISTO - M. Myers

Canada Research Chair, Centre de Recherche, CHU Ste-Justine/Université de Montréal, Quebec, **CANADA**
Molecular mechanisms regulating the development of GABAergic synapses in the postnatal brain

Franz HEINZ - A. Marcello

Department of Virology, Medical University of Vienna, **AUSTRIA**
Tick-borne encephalitis virus: Molecular structure and vaccination

November 2011

Paolo MACCHI - O. Burrone

University of Trento, Centre for Integrative Biology, Laboratory of Molecular and Cellular Neurobiology, Trento, **ITALY**
Send the message: mechanisms and biological significance of mRNA localization

Serge CASAREGOLA - C. Bruschi

Centre Interantional de Ressources Microbiennes (CIRM)-Levures, INRA Micalis, AgroParisTech, Thiverval-Grignon, **FRANCE**
Title to be confirmed

Giuseppe Danilo NORATA - A. Muro

Assistant Professor of Pharmacology, Department of Pharmaceutical Sciences, University of Milan, Italy and Center for the Study of Atherosclerosis, SISA Bassini, Hospital Cinisello, **ITALY**
Immunity and atherosclerosis: emerging aspects

December 2011

Salvatore Pece - G. Del Sal (LNCIB)

IFOM-Istituto FIRC di Oncologia Molecolare, Milan, **ITALY**
Stem Cells and Breast Cancer: Clinical and Pathogenetic Implications

Andrea BANFI - M. Giacca/C. Collesi

Cell and Gene Therapy, Department of Biomedicine, Basel University Hospital, Basel, **SWITZERLAND**
Regulation of vascular morphogenesis and stabilization by VEGF dose

Alessandro SCHIAVETTA - M. Giacca

S.C. Vascular Surgery, Hospital S.Corona, Pietra Ligure, **ITALY**

Therapeutic angiogenesis in the treatment of peripheral arterial disease and the N.A.P.L.E.S. trial: preliminary results

Diego di BERNARDO - G. Del Sal, LNCIB

Telethon Institute of Genetics and Medicine, TIGEM, Naples, **ITALY**

Gene and Drug Networks to elucidate gene function and drug mode of action

Trieste Seminar Programme 2012 (39)

January 2012

Elisabetta DEJANA - M. Giacca

IFOM, FIRC Institute of Molecular Oncology, Milan, **ITALY**

Molecular mechanisms of vascular remodelling and their alterations in human vascular pathologies

February 2012

Benjamin ALTENHEIN - F. Feiguin

Institute of Genetics, University of Mainz, Mainz, **GERMANY**

Specification, differentiation and migration of glial cells in *Drosophila*

Anna TRAMONTANO - M. Giacca

Department of Physics, Sapienza University of Rome, **ITALY**

The surprising transcriptome

Manuela NEUMANN - F. Baralle

Experimental Neuropathology, Institute of Neuropathology, Zurich, **SWITZERLAND**

TDP-43, FUS and beyond: Insights on the role of RNA-binding proteins in frontotemporal dementia and amyotrophic lateral sclerosis

March 2012

Filippo CANDUCCI - M. Giacca

Laboratory of Virology and Microbiology, University Vita-Salute San Raffaele, Scientific Institute San Raffaele, Milan, **ITALY**

B cells producing cross-reacting antibacterial auto-antibodies are present within atherosclerotic plaques of acute coronary syndrome patients

Jean-Luc SOUCIET - C. Bruschi

Université de Strasbourg et CNRS, UMR 7156 Génétique Moléculaire, Génomique, Microbiologie, Génomique comparative des Levures Hémiascomycètes, Institut de Botanique, Strasbourg, **FRANCE**

The mosaic genome of the yeast *Pichia sorbitophila*: genomic changes occurring after formation of a recent interspecies hybrid

Wim ROBBERECHT - F. Feiguin

VIB Vesalius Research Center, K.U.Leuven, Campus Gasthuisberg, Leuven, **BELGIUM**

Zebrafish as a model to identify modifiers of amyotrophic lateral sclerosis

Pietro PIFFANELLI - V. Venturi

Genomics Platform Leading Scientist, Parco Tecnologico Padano - PTP, Lodi, **ITALY**

Parco Tecnologico Padano: a genomics approach to food security and plant health

Florencia TEVY - F. Feiguin

Institute for Research in Biomedicine, Parc Científic de Barcelona, **SPAIN**

Deleterious effects of neuronal accumulation of glycogen

April 2012

Sandro DE FALCO - M. Giacca

Angiogenesis LAB, Institute of Genetics and Biophysics "A. Buzzati Traverso", CNR, Naples, **ITALY**

PIGF/VEGFR-1 axis in pathological angiogenesis: hypoxic modulation and specific inhibition

Grazia D. RAFFA - F. Feiguin

Dipartimento di Biologia e Biotecnologie, Sapienza-Università di Roma, Rome, **ITALY**

Organization and evolution of *Drosophila melanogaster* telomeres

Lienhard SCHMITZ - L. Collavin, LNCIB

Department of Biochemistry University of Giessen, **GERMANY**

Regulation of the serine/threonine kinase HIPK2 by post-translational modifications

Anne KRUG - F. Benvenuti

Technical University Munich, Department of Medicine, Munich, **GERMANY**

Plasmacytoid dendritic cells - between tolerance and immunity

Fabrizio D'ADDA DI FAGAGNA - G. Del Sal, LNCIB

IFOM Foundation - The FIRC Institute of Molecular Oncology Foundation, Milan, **ITALY**

Molecular mechanisms of cellular senescence in cancer and ageing

Carlos ARIAS - O. Burrone

Director, Instituto de Biotecnología/UNAM, National University of Mexico, Cuernavaca, **MEXICO**

Rotavirus cell entry: A deep journey into the cell

Radovan KOMEL - C. Bruschi

Institute for Molecular Biology and Biotechnology, National Institute of Chemistry, Ljubljana, **SLOVENIA**

Generation of VH/VHH variable domains of llama heavy chain antibodies (nano antibodies) directed against cancer markers

May 2012

Guido SERINI - M. Giacca

University of Torino, Medical School, Cell Adhesion Dynamics, Turin, **ITALY**

Regulation of integrin adhesion receptors by conformation and traffic: implications for tumor angiogenesis

Jacques ROHAYEM - M. Giacca

Ribox Life Sciences, Dresden, **GERMANY**

New technologies for in vivo and in vitro RNAi: IBONI & IVORI

Sushma Nagaraja GRELLSCHEID - F. Baralle

Research Associate, Institute of Genetic Medicine, Newcastle University, International Centre for Life,

Newcastle upon Tyne, **UK**

Alternative Splicing Regulation during Germ Cell Development and Aging

Stefan BARTH - F. Baralle

Department of Pharmaceutical Product Development, Fraunhofer IME, Aachen, **GERMANY**

Use of genetic engineering and medical biotechnology to develop next generation recombinant immunodiagnostics and therapeutics

June 2012

Angela GIANGRANDE - F. Feiguin

Directeur de Recherche CNRS, IGBMC, Strasbourg, **FRANCE**

From fly stem cells to differentiation: a tale of glia and blood

George LOMONOSSOFF - O. Burrone

Biological Chemistry, John Innes Centre of Norfolk, Norwich, **UK**

A virus-based platform for production of vaccines, antibodies and nanoparticles in plants

ELOISE MASTRANGELO - A. Marcello

CNR-IBF, Department of Biomolecular Sciences & Biotechnology, University of Milan, Milan, **ITALY**

Structure-Guided Development of anti-viruses: Successes, Challenges, and Opportunities

John F.X. DIFFLEY - C. Bruschi

Cancer Research UK, London Research Institute, Clare Hall Laboratories, South Mimms, **UK**

Investigating how DNA replication initiates in eukaryotes

Mattia SOLLER - A. Muro

School of Biosciences, College of Life and ENV. Sciences, University of Birmingham, Edgbaston, **UK**

ELAV-regulated RNA processing in synaptic plasticity

July 2012

Shona MURPHY - F. Pagani

Sir WILLIAM DUNN School of Pathology, Molecular Biology, University of Oxford, **UK**

Human small nuclear (sn)RNA genes and the pol II CTD code

Germana MERONI - M. Giacca

CBM - Consorzio per il Centro di Biomedicina Molecolare S.c.ar.l., Trieste, **ITALY**

The TRIM family of ubiquitin ligases in health and disease

Robert KOTIN - M. Giacca

National Heart Lung and Blood Institute NHLBI, Bethesda, **USA**

Developing recombinant adeno-associated virus therapies for Duchenne muscular dystrophy

Enrico Maria SURACE - M. Giacca

TIGEM (Telethon Institute of Genetics and Medicine), Napoli, **ITALY**

"Flow my vision", restoring visual function by retinal gene therapy

September 2012

Michael H. MALIM - A. Marcello

Department of Infectious Diseases, King's College London School of Medicine, Borough Wing, Guy's Hospital, London Bridge, London, **UK**

Exploiting replication deficiencies to illuminate HIV:host interactions

Greg TOWERS - M. Giacca

MRC Centre for Medical Molecular Virology, Div. of Infection and Immunity, University College London, **UK**

Control of HIV Infection and Nuclear Targeting by Cellular Cyclophilins

Perikles SIMON - M. Giacca

Sports Medicine, Rehabilitation and Disease Prevention, Johannes Gutenberg-University Mainz, **GERMANY**

Roger BEACHY - M. Giacca

The Donald Danforth Plant Science Center, St. Louis, MO, **USA**

Science and Technologies that Create a Sustainable Agro-Economy: Will Policies Enable or Block the Transition?

Yair ARGON - O. Burrone

The University of Pennsylvania, Dept. Pathology and Lab Medicine, Division of Cell Pathology, The Children's Hospital of Philadelphia, **USA**

Tuning the ER stress response to fit the stress

October 2012

Stefano GUIDOTTI - M. Giacca

U-Start Srl, Milan, **ITALY**

U-Start: Bridging the Gap between Research and Finance

Marco SCORTICHINI - V. Venturi

C.R.A.-Centro di Ricerca per la Frutticoltura, Rome, **ITALY**

The Pseudomonas syringae pv. actinidiae genome and its pandemic population

Robin A. WEISS - A. Marcello

Viral Oncology, Division of Infection and Immunity, University College London, London, **UK**

Pseudoviruses, llamas and HIV

November 2012

Thomas VACCARI - M. Giacca

IFOM - FIRCI Institute of Molecular Oncology, Milan, **ITALY**

Trafficking and signaling: complementary characters in tumor suppression

Enrico GIRAUDO - M. Giacca

Laboratory of Transgenic Mouse Models, Institute for Cancer Research (IRCC), and Department of Science and Drug Technology, University of Torino, Candiolo, **ITALY**

Semaphorin 3A: a new tool to normalize the tumor vasculature and to block metastasis dissemination

Gualtiero ALVISI

Department of Molecular Medicine, University of Padua, **ITALY**

Protein-protein interactions and reverse genetics approaches: towards the understanding of the virus-host interplay

December 2012

David STUDHOLME - V. Venturi

Biosciences, College of Life and Environmental Sciences, University of Exeter, Exeter, **UK**

Exploiting high-throughput sequencing to tackle emerging plant-pathogens

Trieste Seminar Programme 2013 (52)

January 2013

John DOORBAR- L. Banks
Division of Virology, National Institute for Medical Research, London, **UK**
Papillomaviruses, Epithelial Differentiation and the Regulation of Productive Infection

February 2013

Gabriele TOIETTA- A. Muro
Department of Experimental Oncology, Istituto Nazionale dei Tumori Regina Elena IRCCS, Rome, **ITALY**
The MITO-Luc: a reporter mouse for measuring cell proliferation in vivo

Aram MEGIGHIAN- F. Feiguin
UPFNL (Univ. of Padova Fly Neurobiology Laboratory), Dept. of Biomedical Sciences, Univ. of Padua, **ITALY**
Neuroexcitosis nanomachine: from synapse to psychiatric disease

Hazel PINHEIRO- M. Mano
EXIQON, **DENMARK**
MicroRNA inhibition in vivo - challenges and opportunities

March 2013

Andrea D'AMBROGIO - M. Giacca
MRC Laboratory of Molecular Biology, Cambridge, **UK**
The Role of Cytoplasmic Polyadenylation Proteins in Translation, miRNA stability and Cancer

Lorenzo GALLUZZI - C. Bruschi
Institute National de la Santé et de la Recherche Medicale, INSERM, Inst. Gustave Roussy, Villejuif CEDEX, **FRANCE**
Immunosurveillance mechanisms against cancer-associated hyperploidy

Michael BREITENBACH - C. Bruschi
Department of Cell Biology, University of Salzburg, **AUSTRIA**
Yeast aging models

Paolo CARLONI - G. Del Sal (LNCIB) - *Hosted Seminar*
Genome Research School for Simulation Sciences IAS-5: Computational Biomedicine, Institute for Advanced Simulation (IAS), Forschungszentrum Juelich, **GERMANY**
Computational Molecular Medicine

April 2013

Salvatore VALITUTTI - F. Benvenuti
Molecular dynamics of lymphocyte interaction section, INSERM U1043, INSERM, Toulouse, **FRANCE**
Human T cell immunological synapses in health and disease

Hrvoje BANFIC - C. Bruschi
University of Zagreb, **CROATIA**
Nuclear or unclear. Can inositol pyrophosphates regulate cell cycle?

Giovanni BLANDINO - G. Del Sal, LNCIB - *Hosted Seminar*
Department of Biochemistry University of Giessen, **GERMANY**
miRNAs: non coding pleiotropic factors in cancer

Galina SELIVANOVA - G. Del Sal, LNCIB - *Hosted Seminar*
Karolinska Institutet, Department of Microbiology, Tumor and Cell Biology (MTC), Stockholm, **SWEDEN**
Small molecules reactivating p53 as anti-cancer drugs and research tools

Eugene MAKEYEV - F. Baralle
School of Biological Sciences, Nanyang Technological University, Singapore, **SINGAPORE**
Widespread regulation of mRNA steady-state levels through alternative splicing-dependent mechanisms

Snezhana OLIFERENKO - F. Baralle
Temasek Life Sciences Lab Limited, an affiliated of Nanyang Technological University, **SINGAPORE**
Evolution of division site positioning within the fission yeast clade

Ernesto GUCCIONE - F. Baralle
A*STAR, Institute of Molecular and Cell Biology, Singapore, **SINGAPORE**
Splicing regulator PRMT5 links Alternative Splicing to the p53 response in mammalian development

May 2013

Gavin ASH - V. Venturi
Plant Pathology, EH Graham Centre for Agricultural Innovation, Charles Sturt University, Wagga Wagga, **AUSTRALIA**
Biopesticide research in Australia; challenges and opportunities

Jenny HSIEH - M. Giacca
Department of Molecular Biology, UT Southwestern Medical Center, Dallas, **USA**
Harnessing adult neurogenesis for neuronal reprogramming and prevention of epileps

Claudio NICOLINI - C. Bruschi
Nanoworld Institute Fond. ELBA Nicolini, and Russian Academy Sciences, Bergamo, **ITALY**
Scientific trends of nanogenomics and nanoproteomics and their returns for Developing Countries

Francesco NOVELLI - O. Burrone
Laboratory of Tumor Immunology, Centro Ricerche Medicina Sperimentale (CeRMS), Azienda Ospedaliera Città della Salute e della Scienza di Torino, Turin, **ITALY**
Alpha-enolase and the immunotherapy of pancreatic cancer

Michele DE LUCA - M. Giacca
Centre for Regenerative Medicine "Stefano Ferrari", University of Modena and Reggio Emilia, Modena, **ITALY**
Regenerative medicine by somatic stem cells: the paradigm of epithelial stem cells

June 2013

Matthew TAYLOR - M. Giacca

Adult Clinical Genetics, Department of Medicine UCHSC, Cardiovascular Institute, University of Colorado, USA

Big hearts and bigger exomes: next generation DNA sequencing in cardiomyopathies

Fulvio MAVILIO - M. Giacca

Genethon, Paris, FRANCE

Integrated approaches to gene therapy of genetic diseases

Roberto BUONAURIO - V. Venturi

Dipartimento di Scienze Agrarie e Ambientali, Arboricoltura e Protezione delle Piante, Perugia, ITALY

Plant induced resistance to phytopathogenic bacteria: current knowledge and future directions

Kathryn WELLEN - M. Giacca

Dept. of Cancer Biology, Abramson Family Cancer Research Inst., Univ. of Pennsylvania, Philadelphia, USA

Cancer Cell Metabolic Reprogramming: Links to the Epigenome

July 2013

Leon DE WINDT - M. Giacca

Maastricht University, Department of Molecular Cardiology, Maastricht, THE NETHERLANDS

MicroRNAs regulating cardiac disease

Francesco COSENTINO - G. del Sal (LNCIB) *Hosted Seminar*

Cardiology and Cardiovascular Research, Institute of Physiology, University Hospital, Zurich, SWITZERLAND

Oxidant genes in diabetes and obesity

Zulma SUAREZ MORENO - V. Venturi

Instituto de Biotecnología, Universidad Nacional de Colombia, Bogotá, COLOMBIA

Plant-growth promotion and biocontrol properties of Colombian *Streptomyces* spp. isolates to reduce bacterial diseases of Rice

Paolo MAIURI - A. Marcello

Institut Curie, Paris, FRANCE

Cells on the move: new strategies to measure cell migration of live cells

August 2013

Sergio PANTANO - M. Giacca

Biomolecular Simulations Group, Institut Pasteur de Montevideo, Montevideo, URUGUAY

Botulinum neurotoxins and SNARE mediated neuroexocytosis: from complex to super complex

September 2013

Eddy LITTLER - L. Banks

Domainex, Cambridge, UK

Development of inhibitors of TBK1 and IKKe for oncology and inflammation: a model for translational research

Marco MATTEUCCI - M. Giacca

Dept. of Micro- and Nanotechnology, Technical Univ. of Denmark, Produktionstorvet, Lyngby, DENMARK

All-polymer nano- and microfluidic systems for large scale Lab-on-Chip applications

Luiz ZERBINI - M. Giacca

Cancer Genomics Laboratory, ICGEB Cape Town, SOUTH AFRICA

Emerging signaling pathways in cancer therapy

Federico MINGOZZI - M. Giacca

University Pierre and Marie Curie, Paris, FRANCE

Genethon, Evry, FRANCE

Overcoming immune responses to AAV vectors

October 2013

Claudia BAGNI - G. Del Sal (LNCIB) *Hosted Seminar*

VIB Center for the Biology of Disease, KU Leuven, Center for Human Genetics, Leuven, BELGIUM

The role of fragile X mental retardation protein in cancer progression

Lucie CARRIER - M. Giacca

Department of Experimental Pharmacology and Toxicology, University Medical Center Hamburg-Eppendorf, Hamburg, GERMANY

RNA-based therapy for cardiac genetic disease

Thomas ESCHENHAGEN - M. Giacca

Department of Experimental Pharmacology and Toxicology, University Medical Center Hamburg-Eppendorf, Hamburg, GERMANY

3D Heart tissues to study cardiac diseases - work in progress

Johan THEVELEIN - C. Bruschi

Laboratory Molecular Cell Biology, Institute of Botany and Microbiology, Department of Biology, KU Leuven and Department of Molecular Microbiology, VIB, Flanders, BELGIUM

Polygenic analysis of complex traits for development of superior industrial yeast strains

André FURGER - F. Pagani

Laboratories of Genes and Development, Department of Biochemistry, Oxford, UK

Alternative cleavage and polyadenylation: There is more than meets the eye!

Pier Paolo PANDOLFI - G. del Sal (LNCIB) *Hosted Seminar*

Harvard Medical School, BIDMC, Boston (MA), USA

The non-coding RNA revolution in biomedical research

Tim BAXTER - AREA Science Park

Leadership Development, Core Faculty MIB School of Management, Trieste, ITALY

Communicating your ideas publicly in an effective way

Felix ENGEL - M. Giacca

Friedrich-Alexander-University of Erlangen-Nürnberg, Experimental Renal and Cardiovascular Research, Department of Nephropathology, Institute of Pathology, Erlangen, GERMANY

Loss of centrosome integrity during mammalian cardiomyocyte terminal differentiation

November 2013

Gwenael RABUT - C. Bruschi

Institut de Génétique et Développement de Rennes, CNRS, Rennes, FRANCE

Use of Bimolecular Fluorescence Complementation to probe the physiological network of ubiquitylating enzymes in yeast

Dennis McCANCE - L. Banks

Centre for Cancer Research and Cell Biology, Queen's University, Belfast, UK

Insulin-like growth factor binding protein-2 is a regulator of epithelial invasion

Gerardo LEDERKREMER - O. Burrone

Department of Cell Research and Immunology, Faculty of Life Sciences, Tel Aviv University, Tel Aviv,
ISRAEL

Endoplasmic reticulum stress in the pathogenesis of Huntington's disease

Alain KOHL - A. Marcello

MRC - University of Glasgow Centre for Virus Research, Glasgow, Scotland, **UK**

Mosquito control of alphavirus replication: new insights into the functions of RNA interference pathways

Andrés AGUILERA - C. Bruschi

Andalusian Molecular Biology and Regenerative Medicine Centre, Parque Científico y Tecnológico Cartuja,
Sevilla, **SPAIN**

Chromatin structure, transcription and R-loops in the origin of genome instability

December 2013

Namdar BAGHAEI-YAZDI - C. Bruschi

ABiotech Consultants Ltd. (BTCL), London, **UK**

Second Generation Bioethanol "The Holy Grail"

Robert L. GARCEA - L. Banks

University of Colorado at Boulder, Department of Molecular, Cellular, & Developmental Biology,
and The Biofrontiers Institute, Boulder, CO, **USA**

Next Generation Human Papillomavirus (HPV) Vaccines

Neil DAVIES - M. Giacca

Cardiovascular Research Unit, Department of Surgery, UCT Health Faculty, Cape Town, **SOUTH AFRICA**

Biomaterial based therapies for myocardial infarction induced heart failure

Paolo CODEGA - M. Giacca

Fiona Doetsch Lab, Columbia University, New York, **USA**

Prospective identification and purification of quiescent adult neural stem cells from their in vivo niche

Tim BAXTER - AREA Science Park

Leadership Development, Core Faculty MIB School of Management, Trieste, **ITALY**

Communicating your ideas publicly in an effective way, *Part II*

Alessandro VINDIGNI - M. Giacca

Edward A. Doisy Department of Biochemistry and Molecular Biology, Saint Louis University School
of Medicine, St. Louis, MO, **USA**

Mechanistic insights into replication fork reversal and restart under genotoxic stress

Trieste Seminar Programme 2014 (34)

January 2014

Jure PISKUR - C. Bruschi

Department of Biology, Lund University, Lund, **SWEDEN**

Why do yeast ferment: molecular mechanisms which have during evolution reshaped the yeast genome and metabolism

Arianna LOREGIAN - L. Banks

Department of Molecular Medicine, University of Padua, **ITALY**

Disruption of protein-protein interactions as an approach to new drug discovery

February 2014

Slobodan VUKICEVIC - M. Giacca

Laboratory of Mineralized Tissues and Proteomics, Center for Translational and Clinical Research, School of Medicine, University of Zagreb, **CROATIA**

Morphogenetic Proteins in regenerative medicine

Dan COJOC - M. Giacca

CNR-IOM, Optical Manipulation Laboratory, Area Science Park - Basovizza, Trieste, **ITALY**

Optical manipulation for single cell stimulation

March 2014

Ario DE MARCO - O. Burrone

University of Nova Gorica, Department of Medical Biotechnology, Nova Gorica, **SLOVENIA** and Institut Curie, Recombinant Antibody Platform, Paris, **FRANCE**

Specific advantages of pre-immune libraries of single-domain antibodies for isolating valuable reagents

Marco LAZZARINO - M. Giacca

TASC-INFM National Laboratory, Area Science Park - Basovizza, Trieste, **ITALY**

Single cell force spectroscopy

Liborio STUPPIA - M. Giacca

DDISPUTer, School of Medicine and Health Sciences, G. d'Annunzio University, Chieti, **ITALY**

Amniotic Fluid Stem Cells (AFSCs): biological properties and therapeutic applications

Andrea CAMPISANO - V. Venturi

Fondazione Edmund Mach, Trento, **ITALY**

Interkingdom transfer of the human pathogen *Propionibacterium acnes* to the plant endosphere, and its adaptation

April 2014

Musa MHLANGA - M. Giacca

Gene Expression & Biophysics Group, Synthetic Biology - ERA, CSIR biosciences, Pretoria, **SOUTH AFRICA**

Gene regulation via gene looping & noncoding RNA

Giovanni BLANDINO - G. Del Sal

Translational Oncogenomic Unit, Regina Elena Cancer Institute, Rome, **ITALY**

Loss of Tumor Suppressor microRNA activities in human cancers

Lisa VACCARI

Eletra - Sincrotrone Trieste, Synchrotron Infrared Source for Spectroscopy and Imaging - SISSI, Area Science Park - Basovizza, Trieste, **ITALY**

Infrared microspectroscopy for cellular analysis: State of the art and perspectives

Bruno AMATI - G. Del Sal

Center for genomic Science of IIT@SEMM, Fondazione Istituto Italiano di Tecnologia (IIT), Department of Experimental Oncology, European Institute of Oncology (IEO), Milan, **ITALY**

Dissecting Myc-dependent transcriptional programs during tumor progression

Doriano LAMBA - M. Giacca

Istituto di Cristallografia - CNR, Unità Organizzativa di Supporto, Area Science Park - Basovizza, Trieste, **ITALY**

Alzheimer's disease and chronic neuropathic pain: a structural neurobiology perspective

May 2014

Enzo PORRELLO - M. Giacca

School of Biomedical Sciences, The University of Queensland, Brisbane, **AUSTRALIA**

A Developmental Blueprint for Cardiac Regeneration

June 2014

Gil AST - E. Buratti

Department of Human Molecular, Genetics Biochemistry, Sackler Medical School, Tel Aviv University, Tel Aviv, **ISRAEL**

How chromatin organization and DNA methylation talk with alternative splicing

Gianni LITI - C. Bruschi

Institute of Research on Cancer and Aging, Nice (IRCAN), University of Nice, **FRANCE**

The emergence of drug resistant clones from genetically complex populations

Massimo PIZZATO - A. Marcello

Centre for Integrative Biology (CIBIO), University of Trento, **ITALY**

Functional roles of Nef beyond HIV

Francesco LOFFREDO - M. Giacca

Brigham and Women's Hospital, Harvard Stem Cell Institute, Cambridge, MA, **USA**

GDF11: a novel regulator of cardiac aging and diastolic function

Chenyang HE - V. Venturi

Institute of Plant Protection, Chinese Academy of Agricultural Sciences, Beijing, **CHINA**

Cyclic di-GMP receptor-mediated regulation of bacterial virulence in *Xanthomonas oryzae* pv. *oryzae*

July 2014

Andreas PICHLMAIR - A. Marcello

Max-Planck Institute of Biochemistry, Martinsried, **GERMANY**

Viral nucleic acid in the headlock of IFIT proteins

Gustavo de BILLERBECK - C. Bruschi

Microbial Physiology and Functional Genomics of Yeast and Filamentous Fungi (PHYGE), Systems Biology and Process Engineering Laboratory, INSA Toulouse, **FRANCE**
Systems Microbiology for Natural Flavours and Fragrances Production: A genome-wide case study of yeast tolerance to the rose-like flavour and fragrance compound 2-Phenylethanol

Chenyang HE - V. Venturi

Institute of Plant Protection, Chinese Academy of Agricultural Sciences, Beijing, **CHINA**
Cyclic di-GMP receptor-mediated regulation of bacterial virulence in *Xanthomonas Oryzae pv.oryzae*

September 2014

Peter GREENSBURG - V. Venturi

Department of Microbiology, University of Washington, Seattle, **USA**
Quorum sensing and cooperation in bacteria: considerations of socialism in the microbial world

Francesco MARANGONI - M. Giacca

Center for Immunology and Inflammation Diseases, Massachusetts General Hospital, Charlestown, MA, **USA**
Analysis of NFAT signalling dynamics in tumour-associated T cells by functional intravital imaging

Thomas THUM - M. Giacca

Hannover Medical School, IMTTS, Hannover **GERMANY**
Small and long-non coding RNAs involved in diagnostic and therapeutic approaches in cardiovascular medicine

Mark HARRIS - A. Marcello

School of Molecular and Cellular Biology, University of Leeds, Leeds, **UK**
Insights into the complexity of hepatitis C virus NS5A function and regulation

October 2014

Filippo GIANCOTTI - LNCIB

Cell Biology Program and Metastasis Research Centre, New York, **USA**
Shedding light on Merlin Wizardry

Alessia RUGGERI - A. Marcello

Department of Infectious Diseases, Molecular Virology Department, University of Heidelberg, **GERMANY**
Dynamic oscillation of translation and stress granule formation mark the cellular response to virus infection

Kristian VLAHOVICEK - M. Giacca

Bioinformatics Group, Molecular Biology Department, Faculty of Science, Zagreb, **CROATIA**
New insights into development and cancer through computational genomics and systems biology

Alberto INGA - C. Bruschi

Centre for Integrative Biology, CIBIO, University of Trento, Trento, **ITALY**
p53-directed translational control can shape and expand the universe of p53 target genes

November 2014

Juan MENDEZ - M. Myers

DNA Replication Group, Molecular Oncology Programme, Spanish National Cancer Research Centre (CNIO), Madrid, **SPAIN**
Regulation of mammalian DNA replication: lessons from mouse models

Heinz REDL, Ara HACOBIAN, Matthias HACKL - M. Giacca

Ludwig Boltzmann Institute for Experimental and Clinical Traumatology, Austrian Cluster for Tissue Regeneration, BOKU University of Natural Resources and Life Sciences, Vienna **AUSTRIA**
From Molecules to the Clinic - Austrian Cluster for Tissue Regeneration (ACTR)

Sabrina PRICL - M. Giacca

MOSE-DEA, University of Trieste, Trieste, **ITALY**
Of (computer, cells) mice and men: integration of simulations and experiments in life science

December 2014

Veit HORNUNG - A. Marcello

Institute of Molecular Medicine, University Hospital, University of Bonn, Bonn, **GERMANY**
Intracellular DNA sensing by the innate immune system

Trieste Seminar Programme 2015 (40)

January 2015

Marco RUSNATI - M. Giacca

Macromolecular Interaction Analysis Unit, Section of Experimental Oncology and Immunology,
Department of Molecular and Translational Medicine, University of Brescia, **ITALY**
Surface plasmon resonance: a powerful tool to decode the interactome in different pathological settings

Eva VAN ROOIJ - Giacca

Development Biology and Stem Cell Research, Hubrecht Institute, Utrecht, **THE NETHERLANDS**
Mending a broken heart

February 2015

Alexandra MOREIRA - F. Pagani

Gene Regulation, Instituto de Biologia Molecular e Celular - IBMC, Porto, **PORTUGAL**
Alternative modes of gene expression

Ken POWELL - L. Banks

ReViral, Antiviral Research, London, **UK**
Alternative modes of gene expression

Steve OLIVER - C. Bruschi

University of Cambridge, **UK**
Making, mending and extending the yeast metabolic model

March 2015

Madalena TARSOUNAS - Hosted seminar (LNCIB)

CR-UK/MRC Oxford Institute for Radiation Oncology, University of Oxford, **UK**
BRCA1 and BRCA2 tumour suppressors in telomere maintenance and genome integrity

Michela RIGONI - M. Giacca

Department of Biomedical Sciences, University of Padua, **ITALY**
Neurotoxin-induced degeneration and regeneration of motor axon terminals

April 2015

Katja SCHENKE-LAYLAND - S. Zacchigna

Fraunhofer Institute for Interfacial Engineering and Biotechnology IGB, Cell and Tissue Engineering,
Cardiovascular Tissue Engineering, Stuttgart, **GERMANY**
Extracellular matrix – A natural biomaterial for tissue engineering applications

Sujatha SUNIL - M. Giacca

Insect Resistance Lab., ICGEB New Delhi, **INDIA**
Chikungunya virus and its interaction with the vector

Antonio SORRENTINO - M. Giacca

Senior Scientist, Pharmaceutical Business Development, EXIQON, Vedbaek, **DENMARK**
Applications of LNA technology: from discovery and clinical development of miRNA-based biomarkers to functional analysis of non-coding RNAs in animals

Christian SPECK - M. Giacca

DNA Replication Group, Institute of Clinical Sciences, Faculty of Medicine, Imperial College, London, **UK**
Key steps in the loading and activation of the replicative helicase MCM2-7

Gabriele BERG - V. Venturi

Institute f. Environmental Biotechnology, Graz University of Technology, **AUSTRIA**
Microbial networks on plants and beyond

Giovanni TONON - Hosted Seminar (LNCIB)

Functional Genomics of Cancer Unit, Division of Experimental Oncology,
San Raffaele Scientific Institute, Milan, **ITALY**
Exploiting DNA damage in myeloma: the Hippo pathway and beyond

Francesco NAPOLETANO - Hosted Seminar (LNCIB)

Ecole Normale Supérieure de Lyon, LBMC Lab. de Biologie Moléculaire de la Cellule Lyon, **FRANCE**
p53-dependent necrosis suppresses tumorigenesis in Drosophila

Paolo BIANCO - M. Giacca

Department of Molecular Medicine, University La Sapienza, Rome, **ITALY**
Skeletal stem cells and the stromal system: moving away from the "mesenchymal"

May 2015

Jeffrey DORFMAN - M. Giacca

Cellular Immunology Lab., ICGEB, Cape Town, **SOUTH AFRICA**
Autoreactivity of anti-HIV-1 neutralizing antibodies does not prevent broad antibody responses

G. V. SHIVASHANKAR - M. Giacca

Mechanobiology Institute, National University of Singapore, Singapore
& FIRC Institute of Molecular Oncology (IFOM), Milan, **ITALY**
Nuclear Mechanics and Genome Regulation

June 2015

Paolo MAIURI - A. Marcello

Institut Curie, CNRS UMR 144, Paris, **FRANCE**
Actin flows mediate a universal coupling between cell speed and cell persistence

Paolo BONALDO - C. Bruschi

CRIBI Biotechnology Center, Lab. of Matrix Biology and Functional Genomics
Department of Molecular Medicine, University of Padova, **ITALY**
Collagen VI, a key extracellular regulator of skeletal muscle

Francisco BLANCO - Hosted Seminar (LNCIB)

Structural Biology Unit, CIC bioGUNE, Parque Tecnológico de Bizkaia, **SPAIN**
Structure of the p15PAF/PCNA complex and implications for clamp sliding on the Dna during replication and repair

July 2015

Harald PETRY - F. Pagani

uniQure N.V., Amsterdam, **THE NETHERLANDS**
Establishing Gene Therapy in the clinic: Glybera and beyond

Daniel WRESCHNER - O. Burrone

Dept. Cell Research and Immunology, Faculty of Life Sciences, Tel Aviv University Ramat Aviv, **ISRAEL**
Classical and Avant Garde MUC1- The MUC1-SEA Domain for Cancer Therapy and the MUC1-ARF Alternate Reading Frame Protein for Something New

Zeger DEBYSER - M. Giacca

Katholieke Universiteit Leuven, Laboratory for Molecular Virology and Gene Therapy, Department of
Pharmaceutical and Pharmacological Sciences Center for Molecular Medicine, Leuven, **BELGIUM**
Unraveling the dynamic interplay of HIV-1 integrase during its journey from the cytoplasm into the nucleus using fluorescence microscopy

July 2015

Laimonis LAIMINS - L. Banks

Guy and Anne Youmans, Department of Microbiology-Immunology Northwestern University, Northwestern University Feinberg School of Medicine, Chicago, IL, **USA**

Human papillomaviruses and the DNA damage response

Simona POLO - E. Buratti

IFOM, The FIRI Institute for Molecular Oncology, Milan, **ITALY**

Structural plasticity of Myosin VI

Somdatta SINHA - M. Giacca

Dept. of Biological Sciences, Indian Institute of Science Education and Research (IISER), Mohali, **INDIA**

Modelling Infectious Disease: from genomes to populations

August 2015

Sayed E. HASNAIN - M. Giacca

Kusuma School of Biological Sciences, Indian Institute of Technology, Delhi (IIT,D), **INDIA**

Tuberculosis, the world's deadliest infectious bacterial disease, caused by a super intelligent pathogen

Mycobacterium tuberculosis, continues to be a Grand Challenge

Shashi GUPTA - M. Giacca

Hannover Medical School, Institute of Molecular and Translational Therapeutic Strategies, Hannover, **GERMANY**

Role of microRNAs in cardiovascular disorders

September 2015

Ralf HEERMANN - V. Venturi

Ludwig-Maximilians-Universität München, München, **GERMANY**

"Small Talk" – Communication circuits in entomopathogenic bacteria

Fabrizio CHITI - E. Buratti

Department of Biomedical, Experimental and Clinical Sciences, Section of Biochemistry, University of Florence, **ITALY**

Structure of TDP-43 aggregates and assessment of whether TDP-43 proteinopathies arise from a gain- or loss-of-function mechanism

October 2015

Vincenzo BRONTE - F. Benvenuti

Department of Medicine, University of Verona, **ITALY**

The interplay between L-arginine metabolism and adoptive immunity in cancer

Andrew H. BAKER - M. Giacca

Institute of Cardiovascular and Medical Sciences BHF, Cardiovascular Research Centre University of Glasgow, Glasgow, **UK**

Non-coding RNA in vascular pathophysiology

Vladimir JOUKOV - Hosted Seminar (LNCIB)

Department of Biological Chemistry and Molecular Pharmacology Harvard Medical School, Boston, **USA**

Elucidating the mechanisms of mitotic centrosome and spindle assembly and their deregulation in disease

November 2015

James CHONG - M Myers

Department of Biology, University of York, Heslington, York, **UK**

Anaerobic Microbiology in a Saucepan

Thierry PEDRAZZINI

Experimental Cardiology Unit Department of Medicine University of Lausanne Medical School Lausanne, Lausanne, **SWITZERLAND**

Importance of long noncoding RNAs in cardiac homeostasis

Antonija Jurkat BEGONJA - F. Benvenuti

Department of Biotechnology, University of Rijeka, Rijeka, **CROATIA**

From the biggest to the smallest: Filamin A regulates differentiation of megakaryocytes into platelets

Antonie CLERY - F. Pagani

ETH Zuerich, Institut of Molecular Biology and Biophysics, Zuerich, **SWITZERLAND**

Structural and functional investigations reveal promising targets to cure Spinal Muscular Atrophy

Cristina ONORATI - F. Feiguin

Istituto Telethon Dulbecco c/o Università degli Studi di Palermo, Dipartimento STEBICEF, Palermo, **ITALY**

Chromatin remodelers, nucleoplasm compartment and proteinopathies

Antonella De MATTEIS - Hosted Seminar

Telethon Institute of Genetics and Medicine, Naples, **ITALY**

What we can learn from genetic disorders of membrane trafficking

November 2015

Caterina MISSERO - Hosted Seminar

University Federico II and CEINGE - Center for GeneEc Engineering (Naples), **ITALY**

p53 family signaling in health and disease

Trieste Seminar Programme 2016 (40)

January 2016

Angelo POLETTI - F. Feiguin

Department of Biomolecular and Pharmaceutical Sciences (DiSFeB), Centre of Excellence for the Study of Neurodegenerative Diseases (CEND) University of Milan, **ITALY**

Modulation of the protein quality control system in motoneuron diseases

Fabio DI LISA - S. Zacchigna

Department of Biomedical Sciences, University of Padova, **ITALY**

Mitochondrial CA2+ homeostasis and ROS formation between heart injury and protection

February 2016

Paul RILEY - M Giacca

British Heart Foundation Professor of Regenerative Medicine, Department of Physiology, Anatomy and Genetics, University of Oxford, Oxford, **UK**

Developmental Programming of the Cardiac Lymphatics towards Heart Repair

Adi BARZEL - A. Muro

Founder and Chief Scientific Officer of LogicBio Therapeutics Inc. Tel Aviv, **ISRAEL**

Therapeutic levels of in vivo gene targeting without nucleases

Inder M. VERMA - M. Giacca

Irwin and Joan Jacobs Chair in Exemplary Life Science, American Cancer Society Professor of Molecular Biology, Laboratory of Genetics, The Salk Institute, La Jolla, CA , **USA**

Plasticity of Cancer Cells: Lessons from Glioblastomas

Dario DI SILVESTRE - S. Zacchigna

Institute for Biomedical Technologies-National Research Council, Milan, **ITALY**

Network-based approaches for investigating complex diseases by using high-throughput proteomics data

March 2016

Daniel RUZEK - A. Marcello

Institute of Parasitology, Biology Centre, ASCR, v.v.i., České Budejovice, **CZECH REPUBLIC**

Tick-borne encephalitis: from pathogenesis to novel therapeutic strategies

Pierre GUERMONPREZ - F. Benvenuti

The Peter Gorer Department of Immunobiology, King's College London, **UK**

"Dendritic cells and inflammation"

Riccardo DALLA FAVERA - D. Efremov

Columbia University, Institute of Cancer Genetics, New York, NY, **USA**

Genomics of B cell malignancy

Alexandre A. MIRONOV - Hosted Seminar

IFOM-IEO Campus, Milan, **ITALY**

Models of intra-Golgi transport. The long way to the paradigm

Sharon A. TOOZE - Hosted Seminar

The Francis Crick Institute, Molecular cell biology of autophagy, London, **UK**

Molecular mechanisms of mammalian autophagy

Dinakar M. SALUNKE - M. Giacca

International Centre for Genetic Engineering and Biotechnology (ICGEB), Structural Immunology lab., New Delhi, **INDIA**

New paradigms of specificity at molecular level in immune recognition

April 2016

John DOORBAR - L. Banks

Department of Pathology, University of Cambridge, Cambridge, **UK**

High and Low Risk Papillomaviruses; Life Cycle Regulation and Disease

Andrés KLEIN - E. Buratti

TIGEM - Telethon Institute of Genetics and Medicine, Pozzuoli (NA), **ITALY**

Identification of modifier genes in lysosomal storage disorders

Tatjana AVSIC - A. Marcello

Laboratory for Diagnostics of Zoonoses and WHO Centre, Institute of Microbiology and

Immunology, University of Ljubljana, Ljubljana, **SLOVENIA**

Emerging and re-emerging viral infections: our experience

Paolo GOLINO - F. Loffredo

Department of Cardio-Thoracic and Respiratory Sciences, Section of Cardiology, Second University of Naples, Naples, **ITALY**

New Insights into the Pathophysiology of Acute Coronary Syndromes: From Molecular Basis to Clinical Manifestation

Andrea D'AMBROGIO - M. Giacca

Horizon Discovery Ltd., Cambridge, **UK**

From Bench to Bedside, Lessons Learned from the Biotech Industry

May 2016

Tibor HORTOBAGYI - E. Buratti

Department of Neuropathology, Institute of Pathology, University of Debrecen, Debrecen, **HUNGARY**

Pathology and current molecular classification of ALS/FTD

Roberto SITIA - M. Giacca

Cell and Molecular Biology, Università Vita-Salute San Raffaele Scientific Institute, Division of Genetics and Cell Biology, MILAN, **ITALY**

Sculpting the Secretome: Presto e Bene in the Protein Factory

Fulvio MAVILIO - M. Giacca

Genethon, Evry, **FRANCE**

Gene Therapy of Inherited Muscle Diseases

Matteo BELLONE - F. Benvenuti

Unit of Cellular Immunology, Division of Immunology, Transplantation and Infectious Diseases, San Raffaele Scientific Institute, 3P-A1 DIBIT, Milan, **ITALY**

Unrevealing the bone marrow immune landscape that drives multiple myeloma progression

David ELLIOTT - E. Buratti

Institute of Human Genetics, The International Centre for Life, University of Newcastle Upon Tyne, **UK**

The importance of the alternative genome - RNA splicing in disease and development

June 2016

Takashi Kei KISHIMOTO - A. Muro

Selecta Biosciences Inc., Watertown, MA, **USA**

Induction of antigen-specific immune tolerance with synthetic nanoparticle vaccines

Christopher PEARSON - M. Giacca

The Hospital for Sick Children, Program of Genetics & Genome Biology University of Toronto, Department of Molecular Genetics, Toronto, Ontario, **CANADA**

Residual Activity in Non-Neoplastic Biallelic Mismatch Repair-Deficient Cells: A Rapid Diagnosis?

(Host: M. Giacca)

Massimo SANTORO - S. Zacchigna

VIB3 – Vesalius Research Center, Leuven, **BELGIUM**

Decoding redox signalling and metabolism in angiogenesis

Steven SUCHTING - M. Baralle

MRC Technology, Business Development Manager, London, **UK**

Academic collaborations to advance early-stage drug discovery

Gioacchino NATOLI - Hosted Seminar

Director Transcriptional control of inflammation and cancer Unit IFOM-IEO Campus Milan, **ITALY**

Transcription activation and termination in a dynamic system: insights from macrophages

Carlos CABAL - M. Giacca

Cuban Center for Genetic Engineering and Biotechnology, Havana, **CUBA**

Quantitative evaluation of complex kinetics bio process related to drug development by Magnetic Resonance.

Cuban experiences

Jose MARTINEZ COSTAS - O. Burrone

Centro Singular de Investigación en Química Biolóxica e Materiais Moleculares (CIQUS), Departamento de Bioquímica e Bioloxía Molecular, Universidade de Santiago de Compostela, Santiago de Compostela, **SPAIN**

From basic to applied research: development of IC-Tagging methodology from avian reovirus viroplasm

July 2016

Sandro DE FALCO - M. Giacca

Institute of Genetics and Biophysics "Adriano Buzzati Traverso", CNR, Naples, **ITALY**

Menotti RUVO

Institute of Biostructure and Bioimaging, CNR, Naples, **ITALY**

Target-independent suppression of angiogenesis by human IgG1 antibodies and IVIg via FcγR1, and

Synthetic peptide libraries: a source of bioactive compounds

September 2016

Stuart A. RALPH - F. Pagani

Department of Biochemistry & Molecular Biology, Bio21 Molecular Science and Biotechnology Institute, The University of Melbourne, Victoria, **AUSTRALIA**

Regulation of alternative splicing in human parasites

Kostas STAMATOPOULOS - D. Efremov

Institute of Applied Biosciences, CERTH | Center for Research and Technology Hellas, Thessaloniki, **GREECE**

Chronic lymphocytic leukemia: subset stories

David MARKOVITZ - M. Giacca

Department of Internal Medicine, University of Michigan, Michigan, MI, **USA**

Engineering a therapeutic Lectin: uncoupling mitogenicity from antiviral activity

October 2016

David STANEK - F. Pagani

Institute of Molecular Genetics, Czech Academy of Sciences, Prague, **CZECH REPUBLIC**

SnRNP biogenesis and quality control

November 2016

Vesna TODOROVIC - M. Giacca

Associate Editor, Nature Communications, Nature Research, New York, **USA**

How to publish in Nature communications

Eduard AYUSO - A. Muro

INSERM 1089, University of Nantes, Nantes, **FRANCE**

Unraveling mechanisms and biology of recombinant AAV vectors produced in insect cell

Peter LUKAVSKY - E. Buratti

Institute of Molecular Genetics, Czech Academy of Sciences, Prague, **CZECH REPUBLIC**

Molecular insights into aberrant CFTR Exon 9 splicing

Boris ROGELJ - F. Pagani

Institut Joseph Stefan, Ljubljana, **SLOVENIA**

RNA binding proteins in ALS and FTL

Abraham ACEVEDO-ARZENA - A. Muro

Hospital Universitario de Canarias, Unidad de Investigación, San Cristóbal de La Laguna, Tenerife, Canary Islands, **SPAIN**

Modelling ALS in mice

December 2016

Ken POSS - M. Giacca

Regeneration Next Initiative, Department of Cell Biology, Duke University Medical Center, Durham, **USA**

RNA binding proteins in ALS and FTL

Dissecting and enhancing tissue regeneration